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# JOHNSONS SEEDS THAT PRODUCE

EVERYTHING FOR THE GARDEN 1925

JOHNSON'S SEED STORE 2158-2160 E.NINTH ST. CLEVELAND OHIO

CLEVELAND'S LEADING AND MOST CONVENIENT SEED STORE

HIRTY years' experience in growing and selling seeds has given us a thorough knowledge of all the requirements and details of the business, and those who entrust their orders to us may feel every confidence that they will have intelligent and careful attention.

We are always glad to advise or suggest varieties of Flower or Garden seeds best suited to your particular conditions. Information at our store or by mail, is free and is given CHEERFULLY.

Cleveland, Ohio, January 1st, 1925 2158-60 East Ninth St., near Prospect.

Yours for garden success, JOHNSON'S SEED STORE.

#### DIRECTIONS FOR

We Especially Invite Charge Accounts. A charge account is more convenient than to remit for each order at the time it is sent; you pay no more for your goods by reason of this accommodation. As to our responsibility, we refer you to Dun's or Bradstreet's Mercantile Agency.

When sending your first order, if possible, send us the name and address of some one with whom you already have a charge account. This saves

time.

#### REGARDS C.O.D. SHIPMENTS

Goods can be sent C.O.D., with the exception of perishable items, which include plants and coldstorage bulbs; these cannot be sent C.O.D. No C.O.D. shipments for any kind of goods can be made by express or freight out of town unless partial remittance accompanies the order. No C. O. D. orders can be accepted for local shipments or delivery where amount involved is less than \$2.00, except parcel post shipments, for which C. O. D. orders are accepted for amounts of 50 cents or more.

#### SHIPPING INSTRUCTIONS

Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment.

#### INFORMATION CHEERFULLY GIVEN

We make a specialty of giving, by letter, any information our customers require in Gardening Matters. Do not hesitate to call on us.

Domestic Parcel Post Rates from Cleveland, Ohio, to Any Other Postoffice in the United States	First	For each Addi- tional Lb. Add
1st zone within 50 miles		
2nd zone within 50 to 150 miles		
3rd zone within 150 to 300 miles	06	.02
4th zone within 300 to 600 miles	07	.04
5th zone within 600 to 1000 miles	08	.06
6th zone within 1000 to 1400 miles	09	.08
7th zone within 1400 to 1800 miles	11	.10
8th zone over 1800 miles	12	.12
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Weight limit within the first, second, and third zones is 70 pounds; within the other zones the weight limit is 50 pounds. In all zones, the size limit is 84 inches for combined length and girth.

We shall greatly appreciate it if our customers will adopt our suggestion to send us their spring orders for seeds, plants and bulbs as early as possible. Shipments need not be made until you want the goods.

#### PARCEL POST SHIPMENT AT OUR EXPENSE AS FOLLOWS:

We pay postage charges on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (beans, corn, peas and mixed grass seeds are not included), nor such other seeds where mention is made in catalog. If these seeds are wanted by mail, remit for postage at the rates quoted in table below.

#### OTHER PARCEL POST INFORMATION

In compiling this catalog we have endeavored to give the shipping weights on most sundries, where their nature, size and weight permits their being sent by parcel post. Liquids and poisons are excluded from the mails. Where plants and bulbs are of a nature and weight to permit parcel post shipment, allow for postage in the amount of 15 per cent of their value. If you remit more than is necessary for postage we will refund the remainder to you.

#### Notice to Market Gardeners and Florists

Growers of vegetables or flowers for market can Growers of vegetables of nowers for market can save money by sending for our Special Market Gardeners' and Florists' Price List, at once. It will be sent only to those who grow for market, and will not be sent to private gardeners. We cater to the most critical trade.

#### NOTICE—PLEASE READ

We cannot Guarantee the Well-Doing of any seeds, plants or bulbs we send out, having no control over conditions—therefore:

Johnson's Seed Store gives no warranty, express or implied, as to description, purity, productiveness or any other matter of any seeds, plants or bulbs they send out and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

WHY OUR SEEDS ARE RELIABLE. We grow what we can under own own supervision from our own pedigreed seed-stock. What we cannot grow under our own supervision we purchase by contract from professional growers whose reputation must be maintained.

JOHNSON'S TESTED SEEDS. Every lot of seed that comes into our store or warehouse is carefully

tested for germination.

# Johnson's Seed Store SEEDS THAT PRODUCE

2158-60 East Ninth Street Just South of Prospect Ave., West Side of E. Ninth St.

Telephone Cherry 911 Cleveland's Largest and Most Convenient Seed Store

# GENERAL ORDER SHEET

# H HOME OF

JOHNSON'S SEED STORE 2	ORE 2158-60 East Ninth St. CLEVELAND, OHIO	SEEDS	S PRODUC
BE SURE TO FILL IN THESE BLANKS			AMOUNT ENCLOSED
Name	EXPRESS CHARGES		Postal Money Order, \$
Street P. O. Box	See Inside Front Cover of Our Catalog		
Post Office R. F. D. No.	For full instructions about		
County	Cover of Seed Annual		Postage Stamps,TOTAL, \$
Express or Freight Office	SCALE	Date	192
Johnson's Seed Store gives no warranty, express or implied, as to description, purity, productiveness or any other matter of any seeds or bulbs they send out and they wi	roductiveness or any other matter	r of any seeds or bulbs	they send out and they wi

Il not Johnson's Seed Store gives no warranty, express or implied, as to description, purity, productiveness or any other matter of any see be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

	Pounds	Pounds Ounces	Packets	Bulbs	NAMES OF ARTICLES WANTED	Price	
		3		- 11			
	4						
(Over)							
					(Quer)		

# FLOWER SPECIALTIES

		1		1			
Quan.	VARIETIES	Pr	ice	Quan.	VARIETIES	Pr	ice
	FOUR FINE ASTERS. Page 30.				PETUNIAS. Balcony Varieties. Page		
	Heart of France. Pkt., 20c; ¼ oz., 75c.				34. Balcony Blue		
	Violet King. Pkt., 20c; ¼ oz., 75c.	1			Balcony Rose		
	New White Perfection. Pkt., 20c; oz., 75c				Balcony White		
	Pink Enchantress. Pkt., 20c; ¼ oz.,				Above—Pkt., 20c; 3 for 50c.		
	75c				LILIUM REGALE. From Seed. Page		
	ANTIRRHINUM Maximum. Page 30. Bunch of Lilac				34. The Regale Lily. Pkt. (35 Seeds),		
	Diamond				each, 25c; 5 pkts for \$1.00		
	Golden Queen				NEW SWEET PEAS. Page 35.		
	Purple King				Crimson King. In pkts. only (25 Seeds) 15c; 2 pkts. for 25c		
	Maximum Mixed				PETUNIAS. Page 35.		
	All above at 20c per pkt. One pkt. each color for 60c.				Special Ruffled Giants. Pkt., 35c		
	-				TWO FINE SALVIAS. New.		
					America or Globe of Fire. Pkt.,		,
	Crimson King. Pkt., 20c				25c; ½ oz., \$1.00; ½ oz., \$1.75 New Bouquet Rose. Pkt., 20c; 6		
	White Queen. Pkt., 20c				pkts. for \$1.00		
	Malmaison Pink. Pkt., 20c				NEW VERBENA. Page 32.		
	Finest Mixed. Pkt., 15c				Royal Bouquet. In pkts., only per pkt., 25c	1	
	Double Crimson. Pkt., 15c				ZINNIAS. Page 33.		
	Double Pink. Pkt., 15c				New Giant Dahlia Flowered		
	Double White. Pkt., 15c				Exquisite		
	One pkt. each of above 3 for 35c				Old Rose		1
	Late Double Mixed. Pkt., 10c; 1/8				Illumination		
					Golden State		
	pkts. for 25c				Crimson Monarch		i
	NEW ANTIRRHINUM. Page 31.				Scarlet Flame		
	Katherine Morse. Pkt., 15c				Meteor		
	CALENDULA, Orange King. Page 31. Ball's Greenhouse Strain. Pkt., 20c;				Oriole Dream		
	½ oz., 35c; ½ oz., 60c; oz., \$1.00.				Buttercup		
	CANDYTUFT. Page 31.				Canary Bird		
	Giant White Hyacinth. Flowered				Special MIXTURE		1
	White. Pkt., 15c; 2 for 25c		• • • •		Prices on above: Pkt., 20c; ¼ oz., 75c.		
	DELPHINIUM XXX HYBRIDS. Page 31.				Two Specially Fine ZINNIAS. Page		
	Pkt., 20c; 2 for 35c				33. Achievement		
	HARDY PINKS, New Perpetual Flow- ering. Page 34.				Picotee		
	Dianthus Allwoodi, Pkt., 35c; 3				Johnson's Double GIANT ZINNIAS.		
	for \$1.00	• • • •			Giant Golden Yellow		
	DIANTHUS. Sweet William. Page 34. Johnson's Giants. Pkt., 15c; 2 for				Giant Scarlet		
	25c				Giant Burnt Orange		
	GAILLARDIA. Page 32.				Giant Salmon		
	Dazzler. Pkt., 25c; 3 pkts. for 60c.				Giant Flesh		
	NEW HOLLYHOCK. Page 32. Queen of Sheba. Pkt., 15c; 2 for				Giant Sulphur Yellow		
	25c				Giant White		1
	PETUNIAS. New Varieties. Page 34.				Giant Pumple		
	Dwarf California Giants. Pkt., 30c.				Giant Purple		
	Copper Rose. Pkt., 30c  Pink Glory. Pkt., 30c				Collection of 1 pkt. each of the		
	Romany Lass. Pkt., 30c				above 10 colors for \$1.10. In single packets at 15c. each; ¼ oz.		
	PETUNIAS. Small Flowering.				for 40c.		
	Blue Bird. Pkt., 25c				Giant Mixed, All Colors. Pkt., 10c; 1/4 oz., 35c; oz., \$1.25		
	Rose of Heaven. Pkt., 25c			design	TOTAL		



#### ORDER SHEET FOR

#### Vegetable and Flower Specialties 2158-60 East Ninth St. JOHNSON'S SEED STORE CLEVELAND, OHIO

Please Forward the Following to	AMOUNT ENCLOSED
Name (Ladies, please use prefix Miss or Mrs.; the latter use husband's initials.  Write name and address very plainly.)  Post Office	P. O. Order
R. F. D. No Box No Street	Express Order
Express or Freight Office	Check or Draft
County State	Cash
(State on this line whether wanted by Mail, Express or Freight.)	Stamps
Most of our SPECIAL STOCKS are listed on this order sheet and are this way for your convenience in ordering.	Total
For Postage and Express Charges see inside front	cover

JOHNSON'S SEED STORE gives no warranty, express or implied, as to description. purity, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms,

Lb.	Oz.	Pkt.	NAMES OF SEEDS, BULBS, ETC. WANTED Pri	ice
			Beet, Johnson's New Dark Leaved Globe	.
			Beet, Johnson's LONG SEASON	
			Cabbage, Johnson's New Extra Early Golden Acre	
			Carrot, Johnson's New Extra Early Coreless	
			Cauliflower, Johnson's Earliest Snowstorm	
			Sweet Corn, Johnson's Verifirst	
			Sweet Corn, Johnson's New Golden Standard	
			Sweet Corn, Whipple's Large Early	
<b></b>			Cucumber, Johnson's Selected Stock Davis Perfect	
			Celery, New Golden Plume or Wonderful	
		·	Muskmelon, Extra Early LAKE CHAMPLAIN	
			Muskmelon, Bender's Surprise	
<b></b>			Parsley, Johnson's Bouquet	
			Radish, Johnson's HOME TABLE	
<b></b>	!		Peas, Johnson's New Extra Early Six Weeks	
			Peas, Johnson's New Hundred Fold	
•••••	,		Peas, Johnson's New Prizewinner	
·····			Cucumber, Johnson's First in the Market	
			Radish, Johnson's New Saxa	
•••••			Cabbage, Chinese Wong Bok	
	·		Tomato, New Extra Early WAYAHEAD	
			Pumpkin, Winter Luxury  FLOWER SPECIALTIES (See Over)	

										1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Cts											
Price											
NAMES OF ARTICLES WANTED											
Bulbs			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Packets			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		† † † † † † † † † † † † † † † † † † †				
Ounces			1								
Pounds								1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

# POPULAR AGRICULTURAL BOOKS

Only the best books in their respective fields are listed here, books that we can recommend without reserve. They are worthy of a place on your bookshelf. Read and profit by them.







GARDEN GUIDE (Amateur Gardener's Handbook). Fourth edition. This gem covers every step from the preparation of the soil to the preservation of the harvest and we are glad to recommend it to every person who has a lawn to care for, a garden to plant, fruits and ornamentals to prune. Whoever enjoys flowers and wishes to keep them free from insects will appreciate its helpful suggestions. Over 275 illustrations appear on its 384 pages.

Postpaid, cloth, \$1.65

MILADY'S HOUSE PLANTS. Palmer. The care of house plants is simply explained and with the aid of this book, success is assured. Instructions for potting, watering, and arrangement of plants are given, and illustrated.

Postpaid, cloth, \$1.10

PRACTICAL LANDSCAPE GARDENING. Cridland. Its practical advice relative to the location of the modest home and details concerning almost every problem confronting the home builder and owner make this one of the very best books on the subject. We recommend it to anyone requiring advice on the proper layout of his grounds, as the many illustrations, sketches, plans and planting keys make the task easy. 266 pages, 6x8 in.

Postpaid, \$2.65

MANUAL OF FRUIT INSECTS. Slingerland and Crosby. A practical account of the principal insects which attack fruits. including the enemies of the Apple, Pear, Peach, Plum, bush fruits, Grapes, Strawberries and Cranberries. The life history of each is given, its injuries described and recommendations made as to the means of control, primarily from the standpoint of the commercial grower. A chapter on insecticides details the more important facts pertaining to their composition and use, 503 pages, well illustrated.

Postpaid, \$3.90

ME FRUIT GROWER. Kains. A clear, simple, practical and comprehensive volume for the amateur who seeks to grow fruits for home needs. The most approved methods of tillage, spraying, thinning, fertilizing, and pruning for maximum production are discussed. Freely illustrated with teaching pictures. HOME FRUIT GROWER. Postpaid, cloth, \$1.65

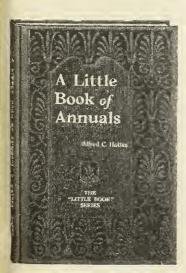
MANUAL OF FRUIT DISEASES. Hesler and Whetzel. This splendid work has been prepared to give the facts and data relative to the common diseases of fruits and is an excellent book for reference. Certainly should be on the shelf of every modern agriculturist, farmer and fruit grower. It is of value to everyone interested in the production of fruit commercially or otherwise. 462 pages, freely illustrated.

Postpaid, \$3.15

VEGETABLE GARDENING. Watts. A valuable hand-book for practical growers; treats of soils, fertilizers, construction of hot-houses, coldframes, crops, insect enemies and diseases, marketing, etc. 525 pages. Postpaid, \$2.65

COMMERCIAL FLORICULTURE. Bahr. The writer of this practical manual for the retail grower needs no introduction from us as he has been bringing his excellent ideas before florists for a considerable period and all will welcome this splendid edition, which brings together in one volume the results of his practical experience. Written in a friendly style, the many plants, shrubs, trees, and vines are discussed—which varieties to grow and which to avoid, and how to make the best use of those selected—things every man ought to know, but so comparatively few of us do know. Get acquainted with it; it will repay you quickly.

Postpaid, \$5.00



LITTLE BOOK OF ANNUALS. Hottes. A thoroughly reliable guide for the amateur who grows flowers for the love of them. A handsome, freely illustrated book of 128 pages that will appeal to a host of our customers as it is the best thing along this line that has come to our attention.

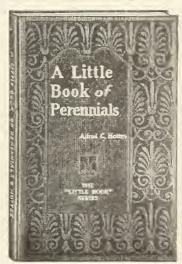
Postpaid, cloth, \$1.65; paper, \$1.10

LITTLE BOOK OF PERENNIALS. Hottes. devoted to a discussion of the most important useful perennials, giving valuable information relative to description, culture, and requirements that every flower lover should know. Well illustrated, making an interesting and instructive book for professional and amateur.

Postpaid, cloth, \$1.65

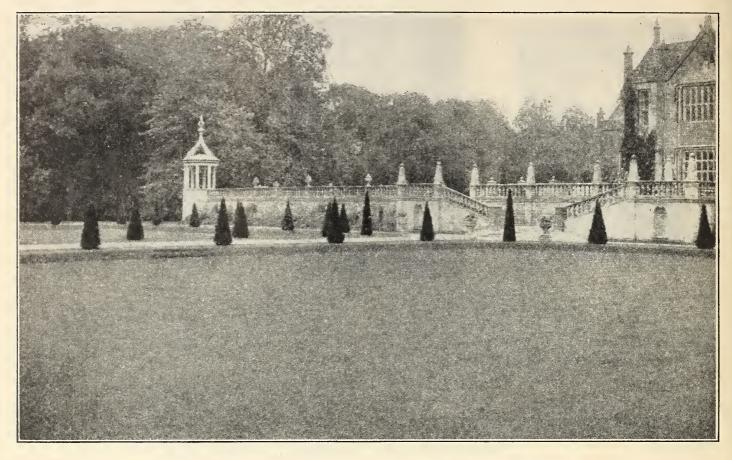
PRODUCTIVE POULTRY HUSBANDRY. Lewis. There is no problem in any phase of poultry raising that is not thoroughly and clearly treated in this popular book of 574 pages, and illustrated in such a way as to be of interest and value to every man, woman or youngster with five or more chickens. Be sure to get this veritable encyclopedia.

Postpaid, \$2.65



# Johnson's High Grade Lawn Seed

#### THE BEST SEED MAKES THE BEST LAWN



Smooth, Firm, Evergreen Lawns From Johnson's Lawn Grass Mixtures

#### ABOUT LAWNS AND LAWN GRASS SEED

#### Formation of Lawns from Seed

There is nothing more attractive than a well-kept lawn.

The ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. After sowing, the ground should be rolled if possible, in order to press the seed firmly into the soil, and ten days or so thereafter a light application of Johnson's Lawn Fertilizers will serve to stimulate the growth of the young grasses. The proper time to sow grass seed depends, of course, upon latitude. In the central and eastern states from March 15th to the middle of May is the best time; but in favorable seasons the sowing may be done up to July 1st. Seed may also be sown in the fall, from the latter part of August to the end of October or later, depending upon the weather. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly-made lawns, it may not be generally known that many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as crab grass or summer grass, must be pulled up by the roots before they ripen their seed in the fall.

#### Johnson's "Reliable"

#### An Ideal Lawn Seed Mixture-Cleanest; Best; Cheapest

The formula for this mixture was originated by our Mr. F. G. Johnson almost thirty years ago, and has been used successfully for years in laying out many of the lawns and terraces which today we greatly admire in and around Cleveland. From time to time we learn something new about the blending of different kinds of lawn seeds, applying this experience to the preparation of our mixtures, until we now believe we have the best balanced formula, superior to many, and second to none.

#### The Best for General Purposes

Our "Reliable" Lawn Grass Seed is the cleanest, heaviest, cheapest and best, because it is made up of Extra Recleaned Seeds of the finest varieties of grasses, each of which has its season of beauty and the result is the production of a sod that is always evergreen and velvety. Many of the finest lawns of our city are seeded with Johnson's Reliable Lawn Grass, the preparation of which is a specialty with us. Less seed of Johnson's Reliable is required than of any other brand. Hence it is economical in the end. 1 lb. will sow 400 square feet. Lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00; 20 lbs. (1 bu.), \$9.00.

QUANTITY REQUIRED FOR NEW LAWNS. 1 lb. (about 3 pts.) for 400 sq. ft.; 5 lbs., (1 pk.) 2200 sq. ft.; 10 lbs., (½ bu.) 4600 sq. ft.; 20 lbs., (1 bu.) 10,000 sq. ft. A large quantity of Lawn Seed will cover a slightly larger area in proportion than a small quantity, owing to the fact that it is easier to spread evenly.

#### LAWN SEED—Continued

#### Johnson's "Economy" Lawn Seed

This special mixture produces beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing a lawn which retains its rich green color and velvety appearance throughout the summer and fall. It is well suited for various soil conditions, giving good results even in small city grass plots, where the soil is generally stiff and heavy. Lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50; 20 lbs. (1 bu.), \$6.00.

#### Johnson's "Shady Spot"

This is a very high grade mixture of grasses which naturally grow in shady spots. Before sowing in such places, it is well to rake off the surface thoroughly and then apply air slaked lime at the rate of one bushel to every 1.000 square feet. Use one pound of seed for every 300 square feet. Lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 20 lbs. (1 br.) \$7.00.

### Johnson's "Quick Growth"

A special mixture of seeds which is especially useful where for some reason or other the seed cannot be sown in early spring. Our Quick Growth mixture will cover the ground like magic, but later on produce a permanent and beautiful sod. Lb., 50c; 5 lbs., \$2.00.

#### Grass Seed Mixtures for Terraces

A mixture of strong, deep-rooted grasses for banks or terraces. Although the grasses are strong and deep-rooted, they will produce a fine green velvety surface, and also prevent washing away during heavy rains. Lb., 90c; 5 lbs., \$4.00; 10 lbs., \$7.50.

#### Clover for Lawns

WHITE DUTCH OR LAWN CLOVER (Trifolium Repens). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. 30c per 1/4 lb.; 1/2 lb., 50c; 90c per lb.; 5 lbs., \$4.25; \$8.25 per 10 lbs. Prices on White Clover subject to change.

# Miscellaneous Grasses Special Prices on Application

- All Prices quoted for Miscellaneous Grass Seeds are Sub-ject to change without notice
- UE GRASS. Fancy Kentucky (Poa pratensis). Our stock of this is extra fine, thoroughly recleaned; sow 3 to 5 bu. per acre on lawns, 2½ to 3 bu. on pasture fields (bu. 14 lbs.). Lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00;
- UE GRASS. Canadian (Poa Compressa). Makes an ideal pasture; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bu. 14 lbs.). Lb., 50e; 5 lbs., \$2.25; 10 lbs., BLUE GRASS. \$4.25.
- CREEPING BENT (Agrostis stolonifera). Succeeds well in moist situations. Lb., \$1.50.
- RED FESCUE. For meadows or pasture on dry, hard or sandy soil. It is very hardy, a true perennial, growing from 1 to 2½ feet high. Lb., \$1.50.
- HARD FESCUE. (Bu. 14 lbs.) Emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. Exceedingly hardy and withstands extremes of heat, cold and drought. Write for prices.
- WOOD MEADOW GRASS (Poa memoralis). A very productive Grass, adapted for lawns or pastures. Thrives well under trees. Very scare. Lb., \$1.25.
- PERENNIAL RYE (Lolium perenne). Affords pasture very early in the spring. Sow early in the spring at the rate of 1 to 1½ bushels to the acre. Lb., 35c; 5 lbs., \$1.25.
- RHODE ISLAND BENT (Agrostis canina). A very fine variety for lawn and pasture. Lb., 75c.
- NEW ZEALAND CHEWINGS FESCUE. New crop. Fancy
- CRESTED DOGTAIL (Cynosurus cristatus). An excellent Grass for hard, dry soils. Sow 25 lbs. per acre. Lb., 95c.

#### Permanent Grass Seed

#### For Golf Links, Tennis Courts, Polo Grounds, Etc.

We have devoted much attention to the seeding and preservation of golf links, tennis courts and polo grounds, and offer the following mixtures, which have been used on many of the finest links, etc., in this country, with very satisfactory results. Bags at cost and transportation extra. Prices subject to market fluctuation during the season.

#### Golf Links Fair-Green Mixture

For the grounds in general. Made up from varieties of grasses perfectly adapted to rough usage. Will produce a beautiful, thick, tough lawn in a short time, and will maintain its appearance better than others, in splte of wear and dry weather. For Golf Links this mixture is equal if not superior to many golf link grasses now in use. 10 lbs., \$5.25; 25 lbs., \$12.50; 100 lbs., \$45.00.

#### Putting-Green Mixture

Our own special formula as furnished all the leading our own special formula as furnished all the leading Golf Clubs in America. A mixture of highest grade grasses, that will make a close, firm, green and lasting turf, which will improve with tramping. 5 lbs., \$4.00; 10 lbs., \$7.50; 25 lbs., \$18.00; 100 lbs., \$70.00.

#### Polo Grounds Mixture

A mixture of fine-leaved and deep-rooting grasses, forming a strong and lasting turf that will stand hard usage. No better mixture can be procured for this purpose. 25 lbs., \$11.00; 100 lbs., \$40.00.

#### Tennis Court Mixture

extra fine grasses peculiarly adapted to Tennis Courts. This mixture will make a firm, green and lasting turf of the finest texture, that will improve with the tramping it receives. Has proved very lasting wherever used. 5 lbs., \$3.25; 10 lbs., \$6.00; 25 lbs., \$14.00; 100

# The Two Best Lawn Fertilizers

For use when preparing land for grass or feeding established turf.

SUPERIOR GRASS FERTILIZER. 5 lbs. 45c, 10 lbs. **80c**, 25 lbs. **\$1.75**, 50 lbs. **\$3.00**, 100 lbs. **\$5.50**, 500 lbs. **\$22.00**, ton **\$75.00**.

PULVERIZED SHEEP MANURE. 5 lbs. 35c, 10 lbs. 60c, 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50, 500 lbs. \$15.00, ton \$50.00.

Apply Superior Grass Fertilizer, which is a mixture of chemicals, either spring, summer, or early fall; on new land use one ton per acre or one pound to each 25 square feet. Use Pulverized Sheep Manure, in addition, on land which is sandy, poor, and deficient in humus, at the rate of two tons per acre or two pounds to each 25 square feet—you may with safety dig in sheep manure in larger quantities. For nourishing established lawns, one-half the above allowances may be used.

These two fertilizers are delivered in Cleveland, East Cleveland and the "Heights" free of charge, in 100-pound lots or more.

# Johnson's Seeds that Produce

Of Strong Vitality and Choice Selected Strains

N THIS CATALOG we quote all of the standard and most productive varieties of Vegetable and Flower seeds for Home and Market Gardening, as well as most of the "worth while" newer sorts.

Prices Include Postage on packets, ounces, quarter pounds and pounds.

It is Our Aim to handle only reliable stocks such as are true to name and have been tested for germination. We cater to Planters who are willing to pay a fair price for stocks of unequalled quality.

Order Early. It is to your interest as well as ours.

Our Prices are as Low as Possible, Con-sistent with **High Quality** 

# Vegetable Specialties for 1925 Johnson's New Dark Leaved Globe Beet

A splendid type of the blood-turnip variety, combining fancy table quality with beautiful globe shape. The dark foliage of this variety is a striking feature, while the corresponding rich, dark color of flesh and beautiful globe shape combine to make it an exceedingly attractive Beet. The quality is sweeter and finer than any other Beet we know of. Pkt., 10c. See page 12.

New Extra Early Cabbage

#### Golden Acre

Johnson's New Dark Leaved Globe Beet

# Long Season

#### Beet

Tender and Delicious the Whole Season Long

If you want a beet that will remain tender and sweet all summer long and well into the winter, try the "Long Season."

This is the best table beet we have ever eaten. It makes no difference whether the beets are young or old, small or large, they are always tender and good.

This beet grows slowly and should not be depended upon for early use. But when the early beets are tough and poor the Long Season will be found to be of the finest quality, being even more tender than the young early beets. They remain in perfect condition all the rest of the season and retain their fine quality when stored in a cold place for winter use. Pkt., 10 cts. See page 12.



# Sutton's Masterpiece Bean for Forcing

This bean originated in England, where special attention is given to growing in the greenhouse, and it is a splendid variety for that purpose. The plant makes a healthy growth and produces an abundant crop of large green pods, which are remarkably straight, broad, thick and of excellent quality. We consider this the best variety for growing in the greenhouse, as it is a fast grower and matures the crop at an early season. Pkt., 15e; ½ lb., 60e; lb., \$1.00; 2 lbs., \$1.75.

Johnson's New Golden Acre excels the Copenhagen Market in earliness, as it matures in only eighty (80) days from date of sowing, and no other Cabbage of which we know has proven as early.

Johnson's New Golden Acre matures about a week sooner than our stock of Copenhagen Market Cabbage and our stock of the latter is now generally conceded to be the only one still as early as when introduced. Johnson's New Golden Acre begins to form heads as soon as the leaves have reached only the size of a saucer and the growth may be observed almost from day to day.

day.

The heads measure nine (9) inches in diameter, or just a little less than the Copenhagen Market. The plant occupies a space of only twenty (20) inches.

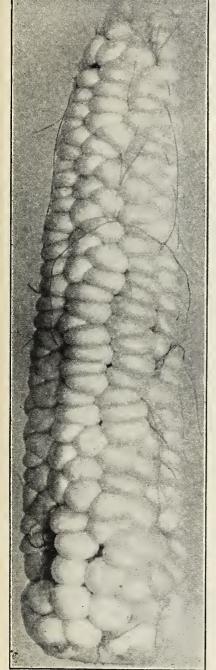
Pkt., 15c; ½ oz., 60c. See inches. page 14.



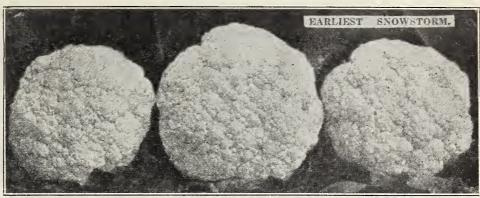
New Golden Acre Cabbage

#### Johnson's Earliest Snowstorm Cauliflower

Snowstorm is the very best and earliest strain of Cauliflower on the market for forcing. It is a dwarf variety, with short outer leaves, and can be planted close, 2 feet apart eachway. It always makes a fine, large and exceedingly beautiful snowy white head, much earlier than any other variety. Pkt., 50c. See page 15.



Johnson's Verifirst Sweet Corn



#### Johnson's Verifirst Sweet Corn

This new corn is so early that in a comparative test beside ten of the earliest sorts on the market, we found none to come within five days of being ready so soon for table use. It is a real acquisition for those who wish the earliest maturing sort either for home use or the market. Nothing that we know of can approach it for earliness, hardiness and delicious flavor. Pkt., 15c; 1/2 lb., 30c; 1b., 50c; 2 1bs., 85c; 5 1bs., \$2.00.

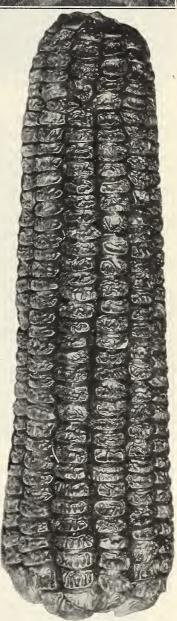
#### Johnson's New Golden Standard Sweet Corn

(See cut)

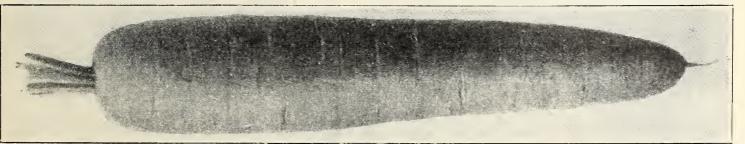
This splendid new Sweet Corn is almost identical with De Lue's Golden Giant, but we believe it is slightly larger and fully equal in quality. It is a cross between Golden Bantam and a large white sort, thus combining the rich buttery flavor of Bantam with the size and tenderness of the longer white parents. Planted in spring at same time as Bantam, the new Golden Standard will just follow the former in being ready for table use. For later successions we recommend using the New Golden Standard altogether on account of its larger size. Pkt., 10e; ½ lb., 25e; lb., 40e; 2 lbs., 70e; 10 lbs.,

#### Johnson's New Extra Early Coreless Carrot

A very fine variety for table use. The carrots are very tender, of mild pleasant flavor, and without any hard core as in some varieties. The shape is ideal for a table carrot, being practically the same size from crown to bottom. The roots grow to a medium size, are very smooth, and of a deep orange-red color all through. The carrots grow rapidly and are excellent for use, when either young or full grown. Pkt., 10e; oz., 20c; 1/4 lb., 60c.



Johnson's Golden Standard Sweet Corn



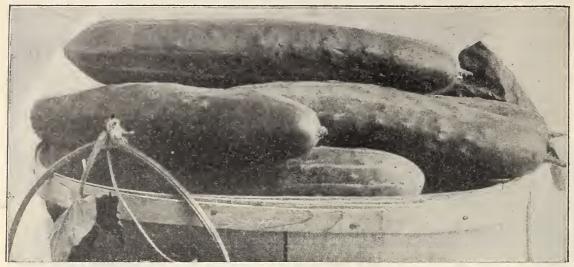
We have spent many years in working up a

cool refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra long white spine cucumbers. For indoor, and outdoor planting it is most popular. Its extremely vigorous growth makes it the best blight resister of the long sorts. Pkt., 10e; oz., 20e; ¼ lb., 60e.

fine strain of Davis Perfect in which fine length, slimness, beautiful dark green color, transparent - like flesh with delicious

verv

# JOHNSON'S SELECTED DAVIS PERFECT CUCUMBER



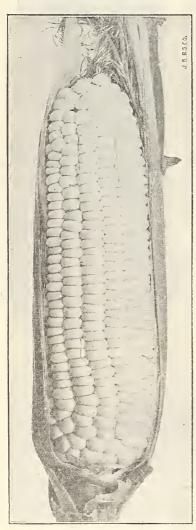
Johnson's Selected Davis Perfect Cucumbers

# Whipple's Large Early Sweet Corn

A Splendid Sort to Follow Johnson's Verifirst. See page 5

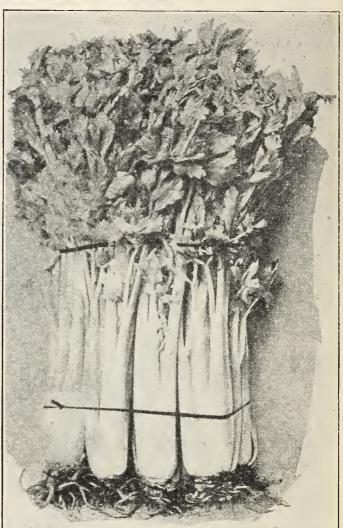
This is a wonderful new early sweet corn. It matures as early as the small-eared early kinds and has ears that look like Evergreen.

The ears have 16 to 20 rows of kernels, which are deep and rather narrow.



Whipple's Early Sweet Corn

They are tender, very sweet and delicious. other early white corn is of such fine quality. The ears are just the right size to serve on the cob, and we are sure this new corn will become very popular with hotels, clubs and restaurants. The ears are 7 to 8 inches long and very large around, as they have 16 to 20 rows of good sized kernels. Each ear is filled right to the tip. The ears look like Evergreen of a fine strain, yet they mature two to three weeks earlier. More than half the stalks have two good ears of almost exactly the same size. The yield per acre is therefore very large. This corn matures only a few days later than Johnson's Verifirst. It will be like having Evergreen corn two weeks earlier than other people, and getting nearly twice as many dozen per We advise all our customers who raise sweet corn to try this new variety. It will prove profitable we are quite sure. This is also a desirable variety for the home garden, as the quality of this corn is very fine, being tender, sweet and delicious. Pkt., 10e; ½ lb., 25e; lb., 40e; 2 lbs., 75e; 10 lbs., \$3.00.



New Golden Plume or Wonderful Celery

#### New Golden Plume or Wonderful Celery

It is the concensus of opinion of Government and State Authorities as well as the practical market gardeners and celery growers of the country, that this variety of Celery is the best golden self-blanching type yet produced here or abroad. It matures two to three weeks earlier and blanches in half the time of the old self-blanching strains. It has a large, generous, fast-growing heart, is crisp, free from stringiness and attractive in appearance, has a broad well-formed stalk with probably a larger percentage of edible celery than any other variety. Its height is such that it does not overtop the average crate which makes it ideal for shipping without damage to the foliage. Our seed is produced from originator's stock. Pkt., 25c. See page 15.

# Extra Early Lake Champlain Muskmelon

This Wonderful New Muskmelon Produces Most Delicious Fruit 57 Days from Planting

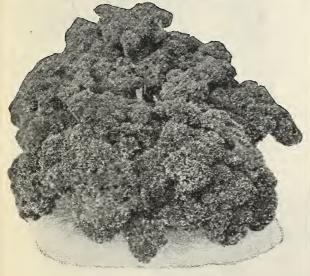
Lake Champlain is a medium sized melon, nicely netted, flesh deep, sweet and melting, of golden yellow color. The plant is very vigorous and healthy, setting and ripening melons even under adverse conditions, which totally destroyed other varieties. It is a marvel of productiveness. Another year has added to the popularity of this great melon.

The originator of this variety, writes as follows: "It blossoms when the vines are less than 12 inches long, and sets its fine healthy first crop of 8 to 10 melons right around the roots. While these extra early fruits are ripening, the vines continue to grow in length, and they in turn produce another and sometimes a third setting of fine fruits—making it not only the very earliest variety, but a continuous producer. No other melon except the Lake Champlain amounted to enough to interest melon growers. Most of them had a complete failure. Our melons were high quality as usual, and drew melon fanciers from all cities within 70 miles."

Being a marvel of earliness, productiveness and quality, it will at once prove profitable to either the home or market gardener. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ 1b., \$2.00.

# Bender's Surprise Muskmelon

# Johnson's Bouquet Parsley

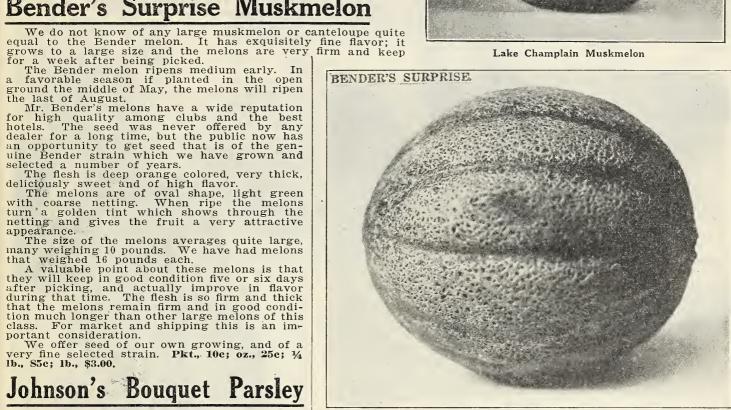


Johnson's Bouquet Parsley

This New Parsley is so beautifully curled and crested that we have felt justified in calling it "Bouquet." Without doubt it is the most ornamental variety grown—and hence for garnishing has no equal. It is of dwarf, compact habit of growth, and its color is a most pleasing shade of green. Pkt., 10c; ½ oz., 25c; oz., 45c.

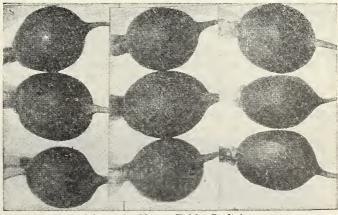


Lake Champlain Muskmelon



Bender's Surprise Muskmelon

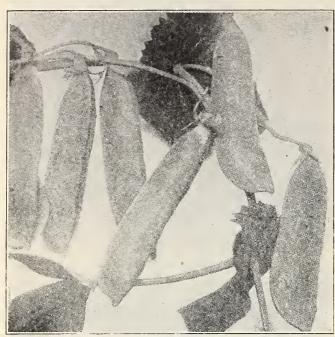
# Johnson's Home Table Radish



Johnson's Home Table Radishes

A fine, bright red Radish, growing quickly to large size, following right after Saxa in maturing. It is especially fine, being ready to use in about four weeks from the time the seed is planted in the open ground early in the spring. This Radish is a deep globe in form; with thin, tender skin of a deep crimson. The flesh is purest white, crisp and of mild flavor. Pkt., 10c; oz., 20c; ¼ lbs., 65c.

# Delicious Green Peas From June to August



New Extra Early Eight Weeks Peas

Do You Know This Secret? Do you know how to avoid the usual disappointment of poor quality peas after mid-July? It is easy to get big crops of luscious juicy Peas in steady succession even up to late August.

Instead of planting only one variety at intervals of 2 or 3 weeks use the following selected varieties and plant all at one time in early spring. This will allow a good root system to develop before hot weather comes. The varieties will bear in the order shown below, beginning about June 20 and keep up a steady succession until late August.

# Johnson's New Extra Early Eight Weeks Peas

The earliest of all Peas and of exceptionally good quality for a smooth-seeded variety. Some people plant this variety exclusively, making successive plantings as the season advances, as they have found that it will give a larger yield on a comparatively small space of ground than any other sort. The vines grow 10 to 15 inches high, depending on soil and season.

Early Eight Weeks is a vigorous grower bearing loads of good-sized pods, well-filled with Peas that surpass in quality any of the older extra-early varieties. Pkt., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75; 10 lbs., \$3.00.

# Johnson's New Hundred Fold Peas

The Best Early Dwarf Wrinkled Pea

The New Hundred is unequalled for its combination of extreme earliness, superb quality, and unusual productiveness. The dwarf vigorous vines average 15 inches in height and carry really enormous crops of large, deep bluish green pods. The pods measure 4 to 4½ inches long and are tightly packed with 8 to 10 large, deep bluish green peas. Thousands of our customers would not grow any other variety of peas because they know that The New Hundred cannot be excelled in quality and yield by any other dwarf pea. Our stock is extra fine. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 95c; 5 lbs., \$2.25. 10 lbs. or more, at 35c per lb.

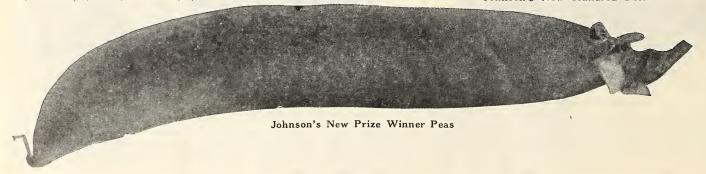
#### Johnson's New Prizewinner Peas

The Most Superb Table Quality

Johnson's New Prizewinner Pea produces its pods, which are of a rich dark green color, in 68 days from planting. Pods often measure 6 inches in length, and contain from 9 to 11 peas of enormous size, and of most tender and delicious quality. The growth is strong and healthy—about 20 inches high. It is astonishingly productive, and no variety we know of will produce more pods or shell out in greater abundance. The color of foliage and pod is so unusually dark and healthy that it is always noticeable. No lover of peas should fail to grow some of these. Large pkt., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75; 10 lbs., \$3.00.



Johnson's New Hundred Fold



#### Johnson's First in the Market Cucumber

For over thirty years we have been selecting and breeding up this type of extra early White Spine—the object being to get perfect fruits of "slicing" size into the market at earliest possible date. The color is an attractive dark green and the table quality is unsurpaseed. The vines are of vigorous growth and produce abundantly making them most profitable, both for the earliest "slicers" and when planted in June or July for pickles. When ready for slicing they run from 6 to 8 inches long, very straight and full and tapering abruptly at both ends. This sort is not only very desirable for market gardeners in the north but is much in favor in more southern localities for early shipment to northern markets.

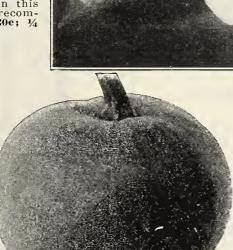
We take special pride in this variety and can highly recommend it. Pkt., 10c; oz., 20c; ¼ 1b., 50c; 1b., \$1.50.



New Saxa Radish

#### Johnson's New Saxa Radish

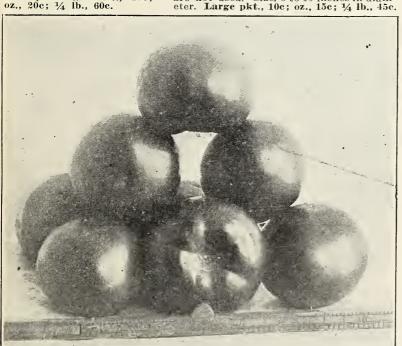
The Quickest Growing, Round Red Sort
This desirable, quick growing, red button radish produces its crop in 16 to 20 days. Round as a marble having a very small top and tap root. The skin is a bright scarlet color, with firm white flesh, which is crisp, brittle and juicy. Adapted for forcing or outdoor planting. Pkt., 10c; 0z., 20c; ½ lb., 60c.



Pumpkin Winter Luxury

#### Pumpkin Winter Luxury

Rich, Sweet Flavor. Makes Good Pies Without Eggs. The color of the skin is similar to that of the Golden Russet Apple. Flesh yellow and very thick. Quite early, surprisingly productive, and a rapid and hardy grower. The very finest for pies, making good ones even when eggs are not used. Size, 8 to 10 inches in diameter. Large pkt., 10c; oz., 15c; ½ lb., 45c.



New Extra Early Wayahead Tomato



Wong Bok Celery Cabbage

#### Chinese Wong Bok Cabbage

Our Wong Bok Celery Cabbage is fairly leaping into popular favor. It is by far the best of its class—being shorter, heavier, and blanching up more easily and completely. The leaves of this sort are more curly than others, which proves its tenderness and rich but mild cabbage flavor. Cultivation same as for Cabbage. It is tender as head lettuce and delicious for salads, cold slaw, etc., and when cooked quickly is far ahead of ordinary cabbage. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

# New Extra Early Wayahead

#### Tomato

Extravagant claims have been made for many different selections of Early Tomatoes, but even the best of them produce but one good picking. We are particularly gratified, therefore, in being able to offer our customers this year, for the first time, a distinct new type which has all the good qualities of Earliana and is, in addition, extrahardy, vigorous, disease-resistant and a heavy producer, continuing to bear long after the first picking is taken off. The most distinctive feature of New Wayahead Tomato is its foliage, which is of the potato-leaved type, a characteristic that has always been associated with unusual vigor and resistance to blight, etc. The fruits are of good size, smooth, solid, bright red and of fine quality. New Wayahead Tomato will ripen as early if not a few days earlier than Earliana and is, therefore, the earliest Tomato in cultivation. Pkt., 15c; ¼ oz., 40c; ½ oz., 70c; oz., \$1.25; ¼ lb., \$4.00.

# Johnson's Vegetable Seeds

#### For Home and Market Gardens

#### **ASPARAGUS**

One of the finest and most delicious vegetables in spring. No garden is complete without an Asparagus bed. Can be grown in any good garden soil and prefers sunny, moist location. Cultural Notes on Asparagus free on application. No garden is

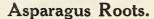
application.

Early Argenteuil. Very popular in France, and extensively grown for the Paris market. The stalks grow to a mammoth size, sometimes weighing as much as 4 ounces each.

Palmetto. Early and uniform, producing stalks nearly an inch in diameter but tender and delicious.

New Washington Rustproof. Produces large straight shoots dark green in

ew Washington Rustproof. Produces large straight shoots, dark green in color. The tips are tight and firm and do not begin to open out until well out of the ground making the finest kind of Asparagus for both market and home. Those who desire to save time in bearing will do well to order our strong two-year-old roots instead of seed.



See below.

#### ARTICHOKE

Large Globe. (Seed.) The flower heads are cooked like Asparagus. Will flower first year if sown early. Sown in June will flower following year.

# BEANS---(Bush)

#### Wax or Yellow Podded

(FAGNOLI-FASOLA)

Culture. Bush Beans may be had throughout the season, by planting at intervals of two weeks, from the beginning of May until the middle of August; they should be planted in drills, two feet apart, one seed every four inches covered one inch deep.

Improved Golden Wax. Counted by many to be superior to all others, especially for the home garden. This bean, introduced in 1876 still continues the standard variety for home use. The pods are long, nearly straight, broad, half-round, golden-yellow, very fleshy and wax-like. They cook quickly as snap beans and are of the highest quality.

Unrivaled Wax. This excellent sort produces an enormous crop of pods in about 33 days, on a small, vigorous-growing, dwarf plant. The pods are about 5½ inches long, semi-flat, fleshy, of fine texture, and excellent flavor. They remain in good condition for a long time. Color of pods a beautiful light yellow and almost transparent. The dry Beans are light light brown in color. light brown in color.

Cracker Jack Wax. A high-quality, flat-podded, stringless early variety. Pods 6 to 6½ inches long, quite broad and uniformly curved, fleshy, stringless and brittle, with little fiber. Plant vigorous and productive. Color of pod is a decided bright yellow. Seed yellow, kidney shaped.

ARTICHOKE

ASPARAGUS

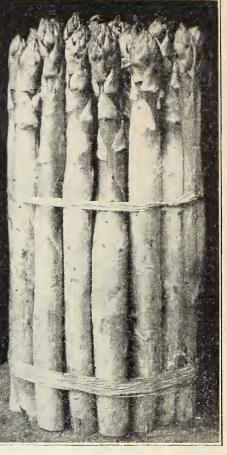
RTICHOKE Oz. Large Green Globe...\$0.40

Early Argenteuil ... .10
Palmetto ... .10
New Washington

ASPARAGUS ROOTS Doz.

Sure-Crop Stringless Wax. A valuable variety of Dwarf Wax Bean, which while not related to the well-known Currie's Rust-Proof Wax. bears a great resemblance to it in plant and seed. It is very productive, bearing large, handsome golden yellow pods in great abun-

(Cylinder Pod.) Dwarf bush growth and very prolific, one of the earliest. Pods four to five inches in length, quite round; meaty, brittle, and stringless; deep golden



¼ lb. \$1.10

1.90

\$4.00

1.00 1.00

7.00

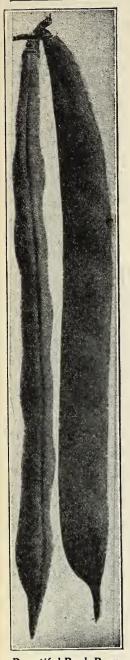
1.50 1.50 1.70

Wardwell's Kidney Wax. A very popular variety of Wax Bean, bearing long, flat pods of a delicate waxy yellow low, stringless and brittle, producing a heavy crop. The pods mature a little later than Golden Wax, but are produced in great abundance.

dance. Pencil - Pod

100 1000 \$1.60 \$12.00 1.60 12.00 Early Argenteuil \$0.30 Palmetto 30 Washington .75 Brittle Wax ... \$0.10 \$ BEANS Pkt. Lb. 2 lbs. 5 lbs. Cracker Jack Wax .10 .35 .65 \$1.50 Currie's Rustproof. .10 .35 .65 1.50 Davis Kidney Wax .10 .35 .65 1.50 Golden Wax Improved ... .10 .35 .65 1.50 Hodson Wax ... .10 .35 .65 1.50 Pencil-Pod Black Way 16.00 DWARF WAX-PODDED BEANS Black Wax. .35 .65 .10 yellow; of excellent flavor.

Unrivaled Wax Beans



#### Bountiful Bush Beans

# BEANS

#### Green Podded Bush Varieties

Earliest Red Valentine. This variety is usually ready to pick

in 35 days from time of planting.

Black Seeded Valentine. This variety is valuable because it withstands considerable cold damp weather and hence may be planted very early. The pods are round, very fleshy and entirely stringless.

Bountiful. This one is the best of the flat-podded stringless varieties. The light green pods are 61/2 to 7 inches long, flat, slightly curved, absolutely stringless, attractive and of very fine quality. At the same time it is very early, vigorous, hardy and a heavy yielder.

Giant Stringless Green Pod. This Bean is absolutely stringless. Fine large round fleshy tender pod. As early as Six Weeks, with the advantage of being a better cropper. The plants are of strong growth, very productive, pods 5 inches long, light green, slightly curved, very meaty, being broadly rounded, saddle backed and absolutely string-

Refugee, or Thousand to One. Very tender and productive.

Splendid for late planting.

Burpee's Stringless Green Pod. This Bean is very early, productive, hardy and vigorous; the pods average about 5 inches long, straight, stout, round, crease-backed, and of a dark green color. They are tender, brittle, of the finest flavor and quality, and strictly stringless.

English Broad Windsor. Large and productive, bushy habit; well podded from top to bottom of stem.

Dwarf Horticultural. (Roma.) The young green pods are tender and of good flavor, slightly curved, 5 inches long,

colored greenish yellow, speckled with carmine.

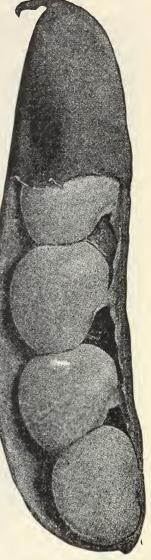
Full Measure. A fine stringless, early, medium green, high quality bean. Pods straight, 6 inches long, very fleshy, round, crease-backed and showing depressions around the Season with Burpee's Stringless. Seed bean much resembles Red Valentine.

#### Baking Varieties

Red Kidney. This variety is extensively used by many people for baking. We have a prolific type that is very desirable. White Kidney. Excellent shell Bean.

Improved Boston Pea or Navy. Choicest Northern grown seed.

White Marrow. Fine early shell beans.



Fordhook Bush Lima Bean

#### Bush Limas

The 1924 crop of Bush Lima Beans was almost a total failure, making prices slightly higher for 1925

Bush Limas may be planted in rows 3 feet apart and 6 inches distant in the row when soil is nice and warm.

Forkhook Bush Lima. Both Pods and Beans much larger than those of any other Potato Lima. Habit of plant a strong, erect, bush-like growth. Pods borne in clusters of from four to eight averaging four

Beans to the pod. Exceedingly productive and of best quality. The best bush type of the popular Potato Lima.

Henderson's Bush Lima. This is a small white Lima Bean which grows in bush form and produces a large crop. The plants are very hardy, make rapid growth and are not so apt to throw runners as some of the other varieties of Bush Lima. It begins to set pods at an early season. Most exquisite table quality.

Burpee Improved Bush Lima. This is superior to any of the older forms of Bush Lima. Plant very vigorous and upright, attaining a height of 30 inches and 24 inches across. Pods often borne in clusters of five to eight and of enormous size. Beans are larger than those of any other variety; immensely productive and of the very best quality. Matures earlier than others.

#### DWARF GREEN-PODDED BEANS

	Pkt.	Lb.	21bs.	5 lbs.
Black Valentine	\$0.10	\$0.35	\$0.65	\$1.50
Boston Pea	.10	.30		1.25
Bountiful	.10	.35	.65	1.50
Burpee's Stringless	.10	.35	.65	1.50
Dwarf Horticultural	.10	.35	.65	1.50
ExEy. Red Valentine	.10	.35	.65	1.50
Red Kidney	.10	.40	.75	1.70
Full Measure	.10	.35	.65	1.50
Giant Stringless	.10	.35	.65	1.50
White Kidney	.10	.40	.75	1.70
Large White Marrow	.10	.40	.75	1.70
Fordhook Bush Lima	.15	.50	.90	2.00
Burpee Bush Lima	.15	.50	.90	2.00
Refugee or 1,000-to-1	.10	.35	.60	1.40
Henderson's Bush Lima.	.15	.50	.90	2.00
English Broad Windsor	.10	.50	.90	2.00

#### Johnson's Select Garden Roses

We specialize in supplying extra strong two-year-old plants that will give a full crop of flowers this season. They will be found on pages 48 and 49, com-prising the choicest of the latest introductions as well as the best of the well-tried sorts including Hybrid-Tea, Hybrid-Perpetual, Hardy Ramblers, etc.

#### GARDEN GUIDE

A COMPLETE INEXPENSIVE BOOK on Vegetable and Flower gardening. We sold almost 300 copies of this most excellent little book last season and purchasers tell us it is just as complete as many of the more expensive publications. You will find it offered on page one.

#### Pole or Running Beans

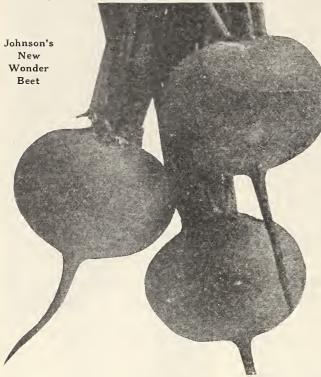
Culture. A warm, sandy loam, enriched with well rotted stable or poultry manure is best. Must not be sown until the ground is warm and dry. When poles are used for support they should be set not less than 4 feet apart each way. Plant 4 to 6 beans to a pole, eyes down 2 inches deep. When well started thin out to 2 plants to a hill. Cultivate freely, but shallow. Use 1 quart to 100 hills, 20 quarts to the acre.

Golden Cluster. One of the earliest wax Pole Beans. Vines large, strong, vigorous; pods 6 to 8 inches long in clusters, thick and fleshy; bright golden yellow. Dry Beans white and nearly round.

Kentucky Wonder or Old Homestead. Excellent flavor and enormously productive; entirely stringless and of a silvery green color. About ten days earlier than any other green-pod sort. Beans are rather small, oblong and of a yellowish-brown color. Pods are green.

Kentucky Wonder Wax. A yellow-podded "Kentucky Wonder," which bears a large quantity of rich golden yellow pods. The plant is exceedingly productive. Pods are thick, meaty, stringless, tender and of fine flavor.

flavor.



#### Swiss Chard

New Giant Lucullus. A delicious variety having

New Giant Lucullus. A delicious variety having green leaves which are remarkably crimped and curled like savoy-leaved cabbage.

Large-Ribbed White. This variety is largely grown for the broad white leaf-stalks which, when bunched and cooked in the same manner as asparagus, make a delicious summer vegetable.

POLE LIMA BEANS				
TOBE EIMA BEATS	Pkt.	Lb.	21bs.	5 lbs.
Carpenteria		80.50	\$0.90	\$2.00
Early Leviathan	.15	.45		1.85
Siebert's Early	.15	.45	.80	1.85
Giant-podded	.15	.60	1.10	2.50
King of the Garden	.15	.45	.80	1.85
OTHER POLE BEANS				
Golden Cluster Wax	.15	.45	.80	1.85
Kentucky Wonder	.15	.40	.75	1.75
Kentucky Wonder Wax.	.15	.45	.80	1.85
Scarlet Runner	.15	.45	.80	1.85
REET				
DECI		Pkt.	Oz.	1/4 lb.
Crimson Globe			\$0.20	\$0.40
Crosby's Egyptian			.20	.40
Detroit Dark Red			.20	.40
Johnson's Early Wonder.			.20	.45
Extra Select Eclipse				
Edmand's Blood Turnip			.20	.40
Half-Long Blood			.20	.40
Johnson's New Dark-Lea	red			
Globe			.20	.60
Long Smooth Blood			.15	.40
New Long Season		10	,25	.75
SWISS CHARD				
Common			.15	.40
Lucullus		10	.15	.40

#### Pole Lima Beans

Giant Podded Pole Lima. The largest podded Lima in cultivation; extremely vigorous in growth, with dark green foliage and pods; mid-season. Pods measure about 7 inches long by 1½ inches broad and are borne in clusters of six to eight; beans extra large and of excellent quality. Undoubtedly the best of all the large-podded varieties.

Carpenteria Pole Lima. The most perfect pole Lima Bean in existence. The Beans have a greenish tint, an indication of good quality. The vines are vigorous and make strong growth, producing a large quantity of Beans in a large pod, which are thicker than the ordinary Lima and retain their color.

Siebert's Early Lima. The earliest of the Pole Limas. Early Leviathan Lima. Extra early and very popular. King of the Garden Lima. A popular sort for main

# BARBABIETOLA GARDEN BEETS

Oue ounce will sow 50 feet of row; 7 pounds will plant an acre

For early supply sow as soon as the ground is in working order, in drills sixteen inches apart and one inch deep. When the plants are well up, thin to four inches. For succession sow until August 15th.

Johnson's New Dark Leaved Globe. This new Beet is recom-mended for table quality. (See Specialties, page 4.)

Crosby's Improved Egyptian. A very superior Extra Early strain of Garden Beet which has been carefully selected for years. This beet excels in handsome form, good size, small tops, very small tap root, fine quality, and above all quick, rapid growth. We highly recommend it.

Johnson's New Wonder. This Beet is the result of many years of expert selection with a special strain of Crosby's as a basis. In this new beet we have perfect form, small tops and tap root, beautiful color, and extra early maturity. For forcing and bunching it is unequaled by anything on the market while the rich color, tenderness and flavor of the flesh make it extremely desirable on the table. the flesh make it extremely desirable on the table.

Detroit Dark Red. One of the very best sorts for the home or market garden, and for canning purposes. Roots uniformly smooth, of medium size, and globe-shaped; skin dark red, flesh solid vermilion red; tops small, upright, dark green shaded red. Our special stock of this variety shows no white zones in the flesh.

Extra Select Eclipse. Flesh deep blood red, firm and sweet.

Edmand's Early Blood Turnip. Good form, dark red, well flavored; a favorite for summer and winter use.

Long Smooth Blood. Withstands drought, very dark red.

Crimson Globe. Color is deep blood red; fine grained, and of unsurpassed quality. The foliage is small-leaves all grow from a very small crown in the top of the bulb.

#### Broccoli



Detroit Dark Red Beet

#### Hardier than Cauli-flower

Culture. Should be treated the same as cauliflower, which it resembles. Grows larger and taller.

and taller.

White Cape. The large white heads are handsome; of delicate cauliflower flavor.

Matures its heads in 150 days. Pkt., 10c; 1/2 oz., 35c; oz., 60c.

#### Brussels Sprouts

Culture. Same as late Cabbage.

Half Dwarf Paris Market. A dwarf variety, producing numerous heads. Pkt., 10c; oz., 40c; ¼ lb., \$1.10.

#### Mangel Wurzel

Sow in May or June in drills 2 feet apart. When well started thin to 9 inches apart in the row. Cultivate shallow and often.

Golden Tankard. The root is quite large and of an almost cylindrical shape, narrowing abruptly at both ends. The skin is deep orange red.

Giant Long Red or Mammoth Prize. This is the largest of all the Mangels. The root is 15 to 18 inches long, over 6 inches thick, and with a heavy shoulder. It grows one-half above the ground and is easily pulled.

Giant Half-Sugar Rose. The root of this variety is very large, smooth, and clean, of oval shape, growing one-half out of ground and is easily pulled. The skin is rose white with a deeper rose-colored tip. A heavy cropper.

#### Sugar Beets

Vilmorin's Improved. The finest variety grown. Highest in nutritive value and in percentage of sugar. Very regular in shape; yields large crops and is recommended for moist soils.

#### CHERVIL

One ounce will sow 100 feet of row

Curled. The young aromatic leaves are used in soups and salads. Leaves are slight, bright green, crisp, curled, and very much divided. Pkt., 10c; oz., 25c.



Selected Danvers Half Long Carrots

MANGELS AND SUGAR BE	ET	
Oz.	¼ lb.	Lb.
Golden Tankard		do wo
Mangel\$0.10	\$0.25	\$0.70
Giant Long Red		
Mangel	.25	.70
Giant Half Sugar		
Mangel	.20	.65
Vilmorin's Improved		
Sugar	.20	.60
GIPPOP		
CARROT	0	1/ 11
Chantenay	∪z. .20	½ lb50
Johnson's New	.20	.00
Coreless	.20	.60
_		•••
	.15	•
Early Scarlet Horn10	.15	.40
Long Orange10	.15	.40
Nantes	.20	.50
Oxheart	.15	.40
Rubicon	.15	.40
		• = 0
White Belgian	.10	.30

#### CAROTA CARROT MARCHEW

One ounce will sow 100 feet of row; 3 pounds will sow an acre

Carrots, to grow to perfection, require a rich, deep sandy loam, well pulverized and deeply cultivated. For an early crop sow in May and June in drills about 1 foot apart, thinning out to 3 inches in the row; sow for main crops in June and July.

Johnson's New Extra Early Coreless. (See page 5.)

Nantes Half-Long Stump-Reoted.

Adapted for frame use. The smooth root is cylindrical with blunt end and of a bright orange color. The flesh is red, sweet, mild, and almost coreless. Top is small and short.

Danvers Half-Long. This sort is

coreless. Top is small and short.

Danvers Half-Long. This sort is slightly longer than Chantenay, growing 7 to 8 inches long, is square shouldered, tapering gradually to a blunt point. The root is smooth and handsome, of an orange-red color, with sweet, crisp flesh. For main planting it has no superior, and when sown during June, it may be relied on to produce the very best crop of roots to store for winter.

Chantenay Half-Long. A medium-early, half-long, smooth, blunt-rooted sort of deep orange-red color and delicate flavor. As it has a small top, it is very popular for bunching and for frame use, allowing close planting. Shaped broadest at shoulder, tapering toward base and running suddenly to a point; the root averages 6 inches in length.

Selected Oxheart. Roots about 5 inches long and 4 inches thick.

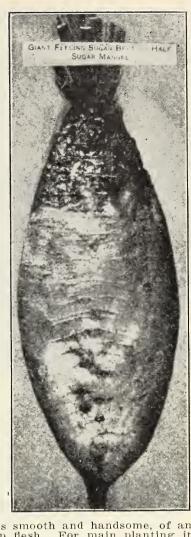
Selected Oxheart. Roots about 5 inches long and 4 inches thick. Early Scarlet Horn. Especially fine for bunching early in season, about 3 inches long.

Improved Long Orange. Very popular for main crop; heavy yielder. Improved Rubicon. This beautiful half-long stump-root Carrot is the result of careful breeding. It grows about the same length as the well-known Danvers, but thicker, and is of a rich dark orange in color, but about same length.

Large White Belgian and Large Yellow Belgian. For feeding.



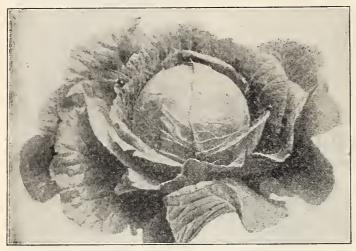
Select Chantenay Carrot



#### CAPPUCCIO CABBAGE KAPUSTA

One ounce will produce 1,500 plants; ½ pound will plant an acre

For very early use sow in January or February in hotbeds; prick out the plants into other hotbeds, or sow in hot beds in March. Transplant to the open ground when danger from killing frost has passed, in rows 2 feet apart and 18 inches from plant to plant. For succession sow in the open ground the last of March or early in April. The autumn and winter varieties may be sown early in May in shallow drills 3 or 4 inches apart; transplant early in July, making the rows about 21/2 feet apart, and setting the plants 2 feet apart in the rows.



Copenhagen Market Cabbage

Henderson's Early Summer. About ten days later than Jersey Wakefield; large, solid flat heads of superior quality.

Succession. About one week later than Early Summer, but is double the size; very uniform and a sure header. One of the finest mid-season Cabbages grown.

All Seasons. (Selected.)
Whether for medium
early, main crop or late
use, this is unsurpassed by
any other sort.

Mammoth Red Rock. largest and most reliable heading red cabbage yet introduced; round, solid heads of deep red color.

All Head Early (The Faultless). As early as most of the early summer cabbage; the deep, flat heads are remarkably solid and uniform in color as well as in shape and size; makes a fine winter cabbage if sown late. Splendid sort for kraut making.



Glory of Enkhuizen Cabbage



Charleston Large Wakefield. About one week later than Early Jersey Wakefield, but the conical heads are fully one-half larger.

Selected Early Jersey Wakefield. The most widely known and popular extra early variety, heads a broad cone shape and very solid.

Copenhagen Market. This most valuable early Cabbage from Denmark, produces a large globe-shape head, which comes into market along with Early Jersey Wakefield. It is well known that Denmark is a great Cabbage and Cauliflower country, and our seed comes direct from the originator. Produces fine, large heads uniform in shape and size and very solid, with few loose leaves. Vigorous grower and an excellent keeper.

NEW CHINESE CABBAGE, WONG BOK.

Johnson's Premium Flat Dutch. Continued care and critical selection on the part of our grower have given us a very thoroughbred strain of this standard Cabbage. Our seed has come from the same grower for over 20 years.

lory of Enkhuizen. (See cut.) Cabbage produces fine round, medium-sized heads. Very solid, with few outer leaves; tender and of fine flavor. Plants set out in Glory of Enkhuizen.

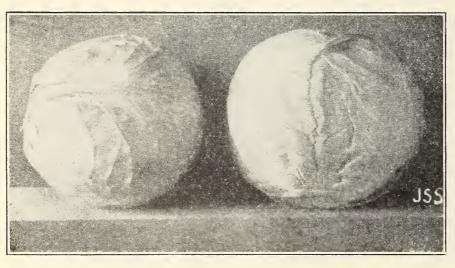
mid-summer will pr fine heads before fine weather.

Perfection Drumhead Savoy. For winter use, this variety is unsurpassed. The riety is unsurpassed. The largest solid-heading Savoy, and has the rich flavor of the cauliflower. The plants are strong and vigorous, and withstand the ravages of the cabbage worm better than other sorts. This is the best kind of Savoy Cabbage. bage.

Danish Ballhead Tall-Stem.
For late crop in a tallstemmed, spherical, hardheading variety it cannot
be excelled. Two weeks
later than Danish Roundhead, and size of head
averages a little smaller.

Danish Roundhead (Hollander). Short-stem.
Matures ten days to two
weeks earlier than Dan-Matures ten days to the weeks earlier than Danish Ballhead; makes a larger head. Round, a short stalk, and very hard.

Interior leaves pure white and of sweet flavor. Stands hot weather.



Danish Ballhead Short Stem Cabbage

CABBAGE			
	Pkt.	Oz.	¼ lb.
All Head Early	\$0.10	\$0.45	\$1.25
All Season	.10	.40	1.10
Charleston Wakefield	.10	.55	1.45
Copenhagen Market	.10	.65	1.75
Danish Ballhead, Tall-			
Stem	.10	.55	1.45
Danish Roundhead,			
Short-Stem	.10	.60	1.65
Early Jersey Wakefield	.10	.55	1.45
Early Summer	.10	.45	1.25
Glory of Enkhuizen	.10	.55	1.45
Hollander	.10	.60	1.65
Johnson's Golden Acre	.15	1.25	
Mammoth Rock Red	.10	.60	1.65
Perfection Drumhead			
Savoy	.10	.55	1.45
Savoy	.10	.55	1.45
Succession	.10		
Wong Bok, Chinese	.10	.40	1.25
TOTAL DOLL, CHILICECT	.10	. 10	1,20

CADDACD

# **CAULIFLOWER**

One ounce will produce 1000 plants

We challenge comparison of our Cauliflower seed with stock offered by anyone. It comes from the most reliable grower in Den-

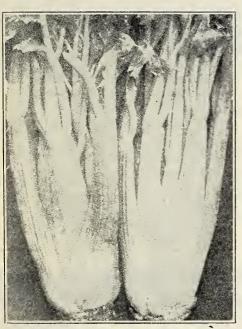
mark and no expense is spared to get the best. Cauliflower succeeds well in any soil where Cabbage will grow. It delights in a rich soil and abundance of water. By sowing the early varieties in a hotbed in February or March, fine heads can be obtained in May or June. For a later supply sow seed in a prepared bed in May, choosing a cool, moist place. When large enough, transplant, making the rows about 2½ feet apart and 18 inches between the plants. Transplanting should be done in moist weather.

JOHNSON'S EARLIEST "SNOWSTORM." page 5.

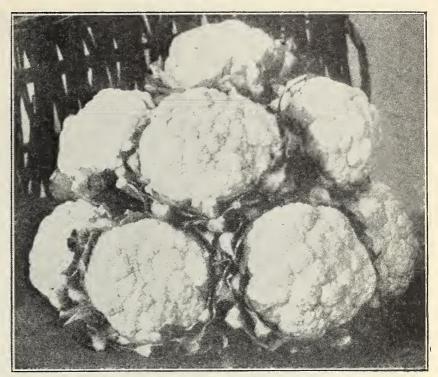
page 5.

Johnson's Gilt Edge Snowball. For over fifteen years our growers have been selecting and breeding up our Gilt Edge Snowball to produce the best possible results for market gardeners' use. It is very early, of large uniform size, and as well adapted for late planting as for early. The heads are pure white and grow very solid and compact. The largest growers for the Cleveland market use this cauliflower exclusively. We recommend this as the very best variety for outdoor culture on account of its earliness, vigorous growth, handsome appearance and high quality. Its strong, vigorous constitution enables it to withstand weather conditions that would prove

weather conditions that would prove fatal to less hardy sorts.



New Easy Blanching



Gilt Edge Snowball Cauliflower

Dry Weather or Danish Giant. A second-early sort adapted for growing in the open ground in localities which are subject to long, dry seasons.

The heads are of medium to large size, pure white, and of fine quality.

Early Dwarf Erfurt. We recommend this for very early outdoor crop in spring, or for sowing in May for fall crop. The plant is vigorous and makes a strong, sturdy, dwarf, compact frame—a sure indication of sound, large heads. The flowers are large, even in surface, with a very fine "curd," and are well protected in shipping by the strong leaf-stalks.

#### CELERY SELERY SEDANO

One ounce of seed will produce 3000 plants; 1/4 pound will plant an acre NEW GOLDEN PLUME OR WONDERFUL. See page 6.

New Easy Blanching. (See cut.) A new variety resembling Golden Self Blanching, but the leaves are green and the stalks blanch white instead of yellow. It is also more hardy and less liable to blight. Stalks are taller, but have the same form and heavy heart of the Self Blanching. While maturing about two weeks after that variety, it has the advantage of being an excellent winter keeper of the best quality. Johnson's Private Stock. Choicest Pennsylvania grown seed.

Golden Self-Blanching (Dwarf Strain). Originator's French Grown. Our seed of this variety comes to us every season direct from the originator in France, and our rapidly increasing trade is abundant evidence of its high quality. It is now the leading sort on all markets as an early celery. Rich yellow color. Dwarf, compact habit, and blanches readily.

Golden Self-Blanching (New Tall Strain). This differs from the dwarf stocky strain in that it has distinctive foliage, resists blight to a better degree, is more vigorous in all its parts, develops very rapidly and grows from ¼ to ⅓ taller. It blanches up very quickly, but the heart is slim and long, and of a fine white color. Early, but not a good keeper.

lumbia. A desirable early maturing variety, following in season Golden Self-Blanching, which it resembles in many respects. The stalks are of medium height, very thick, round and crisp, blanching to a light golden yellow. It is unsurpassed for its distinct, rich nutty flavor.

rench Grown Giant Pascal. A compact, vigorous, productive variety, and fine for winter use; leaves upright, short, dark green; stalks short, thick, very broad. French grown seed. French Grown Giant Pascal.

Perfected White Plume. A very early, handsome variety; leaves light, bright green, easily blanched a beauety; leaves light, br tiful silvery white.

Fordhook Emperor. Dwarf in habit, attains a height of 15 to 18 inches. Stalks smooth and thick. Color white with heart tinged yellow. Quality the finest.

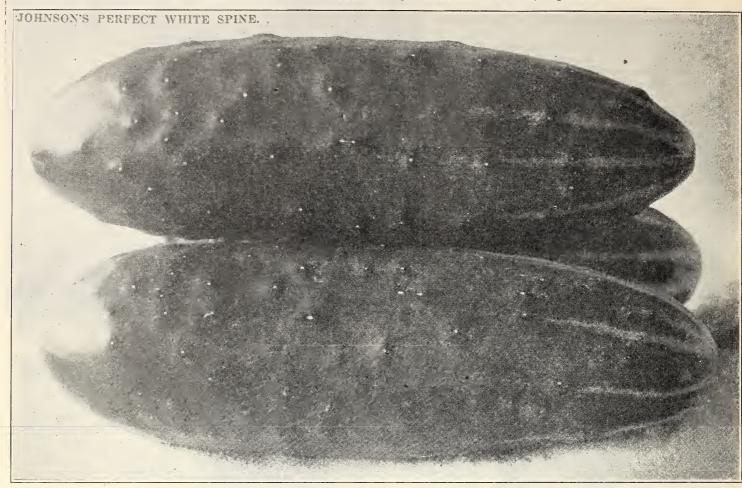
#### Celeriac

iant Smooth Prague. Culture the same as for Celery, excepting that as the roots are the edible portion, it requires no hilling. Roots large, smooth, globular in shape. Flesh pure white, tender and of excellent flavor. The outer stalks are pulled and sold during the summer, which increases the size of the root or knob. Pkt., 10c; oz., 30c; 1/4 lb., 75c; lb., \$2.50. Giant Smooth Prague.

CAULIFLOWER Pkt.	¼ oz.	Oz.
Snowstorm. See page 5\$0.50	\$1.50	\$5.00
Gilt Edge Snowball	1.00	3.50
Dry Weather	1.00	3.50
Early Dwarf Erfurt	.90	3.00
	•••	0.00
CELERY		
New Easy Blanching	.75	2.50
Emperor	.30	1.00
Giant Pascal (Special Strain)10	.25	.75
Golden Plume	2.00	7.50
Golden Self-Blanching (Dwarf)15	.40	1.25
Golden Self-Blanching (Tall)15	.40	1.25
Columbia	.25	.75
Newark Market	.60	2.00
White Plume	.20	.55
Winter King	.20	.65
, meet 11mg	.20	.03

#### CETRIOLO CUCUMBERS OGOREK

One ounce will plant 50 hills: 2 pounds will plant an acre in hills, 5 pounds in drills



Johnson's Perfect White Spine. The above illustration gives a strikingly correct representation of Johnson's Perfect White Spine. The vines are noted for vigorous growth from the start, enabling it to yield more fruit early in the season, and to withstand hot sun better than others. The fruits are of uniform size and are unexcelled for fine dark green color, which extends from stem to blossom end This sort combines the dark green color of fruit, with surprising productiveness, to a degree unknown in other strains. At slicing stage the fruits are about 9 inches long by 2½ inches in diameter, tapering beautifully at each end. Culture. Flourish best in a rich sandy loam. Sow when danger of frost is over, in hills 4 to 5 feet each way. As the young plant has many enemies sow thickly half an inch deep, and thin out finally to three or four plants to the hill. Gather cucumbers by cutting, not by tearing. Leave none to ripen if you want a full crop. Use Slug Shot to keep down buss.

Johnson's Selected Davis' Perfect. A long type of cucumber of rich, dark green color and handsome shape. Our stock is very select. See page 6.

Extra Long or Evergreen White Spine.

Vines are of vigorous growth with large heavy foliage, thus resisting attacks of insects, etc.

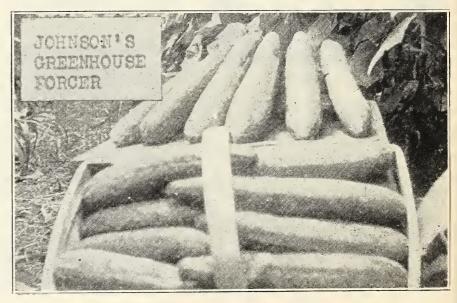
Early Fortune. Very popular strain of White Spine. Our seed is very select

Early Fortune. Very popular strain of White Spine. Our seed is very select.

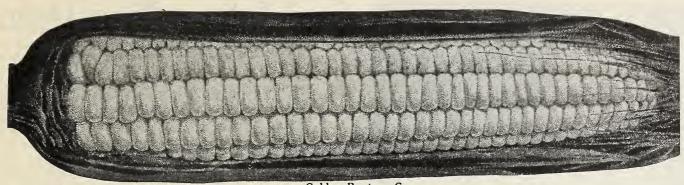
Boston Pickling or Green Prolific. The favorite for pickles. green. Rather short

Improved Long Green, For pickles.
Klondike. Most excellent for slicing.
Chicago Pickling. Medium size.
West India Gherkin. For pickling.
Telegraph. For forcing. Pkt., 25c.
Carter's Model. For forcing. Pkt., 25c.
Johnson's Greenhouse Forcer. A wonderfully choice strain which has been selected and developed for many years especially for Greenhouse Forcing on a large scale. The fruits are remarkably uniform in shape and size, averaging about 14 inches in length. The color is a beautiful deep green. which is held for several days. Almost spinless, and is admirably adapted for packing in flats and baskets for the highest class of trade. Our seed is strictly Greenhouse grown by the originator. Pkt., 25c; ½ oz., \$1.25; oz., \$2.00; ¼ lb., \$7.00; ½ lb., \$15.00; lb., \$25.00. oz., \$2.00; lb., \$25.00.

CUCUMBERS	Pkt.	Oz.	¼ lb.
Boston Pickling	.\$0.10	\$0.15	\$0.40
Davis Perfect		.20	.60
Early Fortune		.15	.40
Johnson's First in Market.		.20	
Evergreen White Spine	10	.15	.40
Johnson's Perfect White			
Spine	10	.20	.55
Johnson's Greenhouse			
Forcer		-2.00	7.00
Chicago Pickling			.35
Klondike		.15	.40
Long Green Improved			.45
West India Gherkin	10	.20	.55



Johnson's Greenhouse Forcer



Golden Bantam Corn

#### GRANO TURCO SWEET CORN KUKURYDZA

One pound will plant about 200 hills; 12 pounds will plant an acre

The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession continue every two weeks, until the middle of July, in hills 3 feet apart each way, covering about half an inch, and thin out to 3 plants to a hill.

WHIPPLE'S LARGE EARLY. (See page 6.)
JOHNSON'S NEW VERIFIRST. (See page 5.)

JOHNSON'S NEW GOLDEN STANDARD. This new sort is very similar to DeLue's Golden Giant and we recommend it very highly. See full description and cut on page 5. Makes a fine succession for Golden Bantam.

Earliest Mayflower. This is a ten to twelve rowed white corn, larger than Mammoth White Cory and from three to five days earlier. Three seasons' trials of this splendid sort have convinced us that it is the coming extra early corn.

Bantam Evergreen. A cross between Golden Bantam and Stowell's Evergreen, fine quality. Ears 8 inches long, 12 to 14-rowed; matures with Howling Mob; grain rather broad and deep, and of a rich golden yellow.

Kendel's Early Giant. Large, handsome ears of fine quality, very early.

Black Mexican. When in table condition the grains are pure white and quality delicious.

Golden Bantam. Produces ears measuring about five inches, but the smallness of ears is fully made up by the deliciously sweet flavor and tender quality of the Corn when cooked. By all odds the finest extra early variety when quality is considered.

Howling Mob. A large eared early sweet corn, ready for use about five days later than Mammoth White Cory, generally producing two good ears to a stalk, averaging 7 to 9 inches long, with 12 to 14 rows of pearly white grains. An excellent home or market sort.

mmoth White Cory. Considered one of the best early Sweet Corns. It produces stalks about four feet high, each generally bearing two large, finely shaped ears which become fit for use in about 52 days. They are 12-rowed, six to seven inches long, very symmetrical and handsome, seldom with any opening between the rows at the base. Grain large, broad, very white and of remarkably good quality for such an early sort. Its size and beauty give it ready sale even when Mammoth White Cory. the market is overstocked.

Early Evergreen. Ripens about ten days earlier than Stowell's Evergreen. Ears large and uniform.

Stowell's Evergreen. The most popular variety grown, ears large and very sweet.

Country Gentleman. The finest of all sweet corns for the table, and when once used no other sort is quite good enough. A very heavy husk protects this Corn, which retains its tenderness and keeps it "in the milk" a surprisingly long time. Ears average eight to nine inches in length; cobs small and grain very deep.

#### SWEET CORN

Pkt.	Lb.	2 lbs.	5 lbs.
0.10	<b>\$0.40</b>	\$0.75	\$1.65
.10	.45	.80	1.85
.15	.50	.85	4.00
.10	.40	.75	1.65
.10	.40	.75	1.65
.10	.40	.75	1.65
.10	.40	.70	1.60
.10	.35	.65	1.50
.10	.60	1.10	2.50
.10	.35	.65	1.50
.10	.40	.75	1.65
.10	.35	.65	1.5
.10	.40	.75	1.65
.10	.40	.75	1.65
.10	.35	.60	1.45
	.10 .10 .15 .10 .10 .10 .10 .10 .10 .10 .10 .10	.10	10.10       \$0.40       \$0.75         .10       .45       .80         .15       .50       .85         .10       .40       .75         .10       .40       .75         .10       .40       .75         .10       .40       .70         .10       .35       .65         .10       .60       1.10         .10       .35       .65         .10       .40       .75         .10       .40       .75         .10       .40       .75         .10       .40       .75

#### Pop Corn

Monarch White Rice. This is the best Pop Corn for home or market. Select ears. Lb., 30c; 3 lbs., 75c; 10 lbs., \$2.25.

#### Corn Salad

(Fetticus)

Culture.—Treat like lettuce, except that it may be planted closer, as it is smaller. It is hardy, and may be carried through the winter in cold frame or under litter.

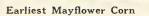
Pkt., 5c; oz., 15c; ½ lb., 40c.

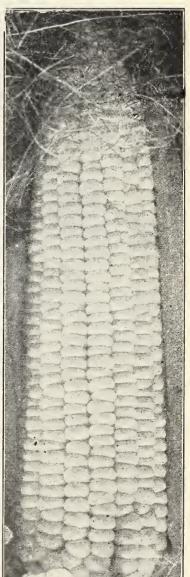
#### Cress or Pepper Grass

(Garten Kresse-Cresson Berro o Masteurzo)

Culture.—Can be sown in the early spring, outdoors in rows 1 foot apart, covering seed about one-quarter inch and sow thickly.

Extra Curled. Pkt., 5c; oz., 15c; 1/4 lb., 50c. True Water Cress. Pkt., 10c; oz.,







Witloof French Endive

# French Endive or Witloof Chicory

Used pricipally as a winter salad, and it is most delicious Used pricipally as a winter salad, and it is most delicious served with French dressing and eaten like Cos Lettuce. Should be sown in June in drills 10 inches apart; allow plants to grow until November, when they should be taken up, the leaves trimmed to 1½ inches from the neck, and the roots cut off to within 8 inches of the neck, then planted upright, 1½ inches apart, in trench 16 inches deep. Fill trench with good soil, and for quick growth cover with manure. In about four weeks it will be ready for use and is actor, either new four weeks it will be ready for use and is eaten either raw as a salad or cooked. Quality is very fine.

#### ENDIVE ENDYWIA

One ounce will sow 150 feet of row; 3 pounds will sow an acre

One of our best salad plants, especially valuable for winter use. For a first crop, sow about the middle of April; for succession, small sowings may be made every month until August, when the main planting is made. Set out the plants one foot apart.

Green Curled. A hardy, vigorous growing Endive with bright green leaves. The dense mass of deeply divided leaves formed in the center blanches very readily to a rich color. This sort is highly esteemed for the home garden, and is much used for salads.

Everwhite Curled. (See cut.) Blanches rapidly and is very tender.

Broad Leaved Batavian (Escarolle). Leaves long and broad, thick and succulent. One of the choicest salads.

## COLLARDS

One ounce will sow 200 feet of row

Forms a loose head of cabbage-like leaves, which are largely used for greens, ready for use in 45 days. Sow like cabbage. Set a foot apart in rows 2 to 3 feet apart. Can also sow seed in June, July and August.

#### DANDELION

One ounce will sow 100 feet Improved Thick Leaf. A hardy perennial. Sow in early spring, in drills half an inch deep, and thin to 2 or 4 inches in the row.

Long Island Mammoth. Leaves are used in pickles and for flavoring soups and sauces.



New York Purple Egg Plant

CAVOLO VERDE KALE SOLANKA

One ounce will sow 200 feet of row; 4 pounds will sow an acre Sow about middle of April in well prepared beds covering thinly and evenly. Plant out in July like cabbage and give

Dwarf Green Curled Scotch. Very hardy, nicely curled. Most popular sort.

Dwarf Curled Siberian (German Greens). Dwarf curled; bluish-green; very hardy. May be sown in August.

EGGPLANT Black Beauty\$0.10 Florida High Bush10 New York Improved Spineless .10 ENDIVE	Oz. \$0.90 .75 .75	1/4 lb. \$2.40 2.10 2.10
Batavian Broad-leaved .10 Everwhite Curled .10 Green Curled .10	.25 .25 .25	.70 .70 .70
KALE         Dwarf Green Curled Scotch         .10           Siberian         .10           Tall Green Curled         .10	.20 .15	.55 .40 .70
COLLARDS Georgia	.20	.60
Witloof .10 DANDELION Thick-leaved .10	.25 1.00	.75 3.50
DILL Long Island Mammoth	.20	.60

#### **EGGPLANT**

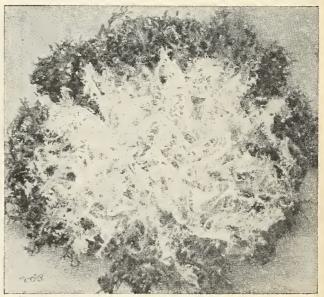
ne ounce will produce about 1000 plants; ¼ pound will sow an acre

For best results, Egg Plants require rich soil, moisture and warm weather. Sow in gentle heat from middle of March to middle of April. Transplant from June 1st to June 15th, setting the plants about 3 feet apart each way.

Johnson's New Purple Tokyo. This is the finest sort for home use. Extra early, surprisingly prolific, quality splendid. Size about 7 inches long and 2 inches in diameter. Pkt., 10c; ½ oz., 50c; oz., 90c.

Black Beauty. From ten days to two weeks earlier than the purple varieties, and of rich, lustrous, purplish black color. It is a distinct sort and a favorite where known. The plants are remarkably healthy in their growth and yield an abundance of large fruits. The fruit is very attractive in appearance. This variety is entirely spineless. Quality the very best.

Improved New York Spineless. Very solid, of rich shining deep purple



Everwhite Curled Endive

#### LATTUGA LETTUCE SALATA

One ounce will produce from 2,000 to 3,000 plants; 3 pounds will sow an acre

Lettuce thrives best in a light, very rich, moist soil. For first crop sow in gentle heat in February, and transplant to 10 inches apart. For a summer supply sow thinly in shallow drills 18 inches apart, and transplant or thin out, leaving a foot between the plants. Sowing may be made from April to the end of August.

Boston, forming very solid, large, pale green heads of excellent quality, without the reddish brown tinge. Forms a head in about 6 weeks, and is earlier than the regular Big Boston. May be sown all through the year and stands heat remarkably well; it is also a very fine forcer. Is crisp, solid and a good shipper.

rand Rapids. (Johnson's Special Forcing Strain.)
The favorite loose-leaved forcing lettuce, and does well in the North for early planting outside. Leaves blistered and crumpled, and the border heavily fringed; color light green, with no trace of brown. A most handsome and attractive lettuce of fair quality. Our stock of Grand Rapids is very specially selected.

Wonderful. (Sometimes called New York or Angeles.) This very large heading lettuce is desirable not only for summer use but is much used as a fall market sort. The plant is compact and tight heading; outer leaves attractive deep green, broad, frilled at edges. The inner leaves form a large head, very sweet and tender.

Big Boston. Fine for forcing in cold frames or for early outdoors.

Dreer's Allheart. Splendid very early outdoor heads. Splendid for greenhouse forcing or for

Burpec's Wayahead. A new and very desirable early heading sort for outdoor culture, in the home garden.

Black Seeded Tennis Ball. The best heading variety for use under glass.

Improved Salamander. Large heads that stand the drought and heat longer than any other.

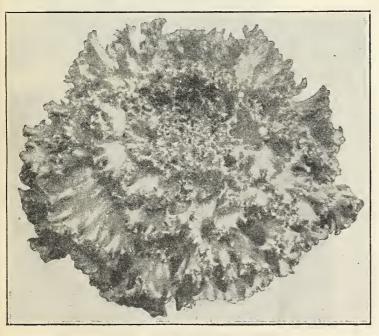
Iceberg. A large head of splendid quality.

May King. Extra large, round solid heads. Very early.

Early Prize. A larg the home garden. A large clustering lettuce, most excellent for

Black Seeded Simpson. One of the best for sowing outdoors, exceedingly tender.

Trianon Self-Closing Cos. Leaves long, narrow, forming close upright heads.



Johnson's Special Grand Rapids



Unrivaled Lettuce, French-Grown

# CAVOLO KOHLRABI KALAREPA

One ounce will sow 200 feet of row; 4 pounds

will sow 200 feet of row; 4 pounds will sow an acre

If you have never grown Kohlrabi, you should try it this year. It is a most excellent vegetable, intermediate between the cabbage and turnip. Cultivate like cabbage and, when young, cook like turnips. Early White Vienna. Flesh clear white, outside greenish white. Most popular. Pkt., 10c; ½ oz., 20c; oz., 30c.

Early Purple Vienna. Same as above excepting skin is purple. Pkt., 10c; ½ oz., 20c; oz., 30c.

Large Green. A late, very large-growing sort with immense bulbs, stems and leaves. Pkt., 10c; oz., 30c.

#### PORRO LEEK PORY

One ounce will sow 100 feet of row; 4 pounds will sow an acre

Sow as early in spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high, transplant in rows ten inches apart each

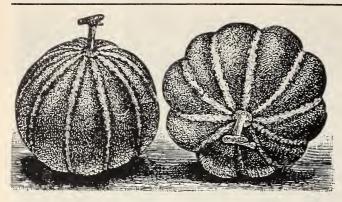
Broad American Flag. The most desirable for family use. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00. Large Carentan Winter. A very large variety of superior quality. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

#### Horseradish Roots

Maliner-Kren. This new variety from Bohemia is larger, earlier, and whiter than the common kind. We highly recommend it. Doz., 25e; 50, 75e; 100,

Common Variety. Very choice sets grown by an expert. Doz., 15e; 100, \$1.00.

TOTAL DADA			
KOHLRABI	Pkt.	Oz.	1/4 lb.
Early Purple		\$0.35	\$0.95
White Vienna		.25	.70
Large Green			1.10
LEEK			
American Flag	.10	.35	.90
Carentan		.35	.90
LETTUCE			
Big Boston, White-seeded	.10	.25	.75
Allheart		.20	.65
Black-seeded Tennisball	.10	.25	.70
Wayahead	.10	.20	.60
Hanson		.20	.55
Iceberg		.20	.60
May King		.25	.70 .70
Early Prize	.10	.35	.90
Wonderful		.20	.65
Unrivaled French Grown		.35	.90
Black-seeded Simpson		.25	.70
Detroit Market Gardeners'		.20	.55
Grand Rapids Special		.20	.60
Trianon Cos Romaine	.10	.20	.60



Emerald Gem Muskmelon



Famous Irish Grey Watermelon

#### MUSKMELON POPONE

One ounce will plant 50 hills; 2 to 3 pounds will plant an acre

After all danger of frost is over, and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, 6 to 12 seeds to a hill. When up, and all danger of insects has passed, pull out all but 3 plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting.

Johnson's New Lake Champlain. (See page 7.)

New Bender's Surprise Muskmelon. (See page 7.)

merald Gem. (Salmon flesh.) (See cut.) This beautiful melon is early and prolific. The skin is smooth, of a deep emerald green color. The flesh is thick and firm, ripening almost to the rind. Well adapted to Northern Ohio. Noted for its high quality. Emerald Gem.

Honey Dew. This new sort is well worthy of a trial by all who love Muskmelons. It has created sensations wherever high class hotels have served it.

elected Osage. Well suited to sandy soil. Yellow flesh, fine quality. Selected Osage.

Ohio Sugar. A green fleshed Tip Top.

New Fordhook. Salmon flesh, flattish shape, well netted, flesh thick, very early.

Tip Top. Select Stock. Good size, superb quality; salmon flesh. Our stock is fine.

Extra Early Hackensack. Standard extra early sort. Green flesh.

Netted Gem or Rocky Ford. The melon which made Rocky Ford famous. Small, early, green flesh.

Sutton's Windsor Castle. (English Forcing.)
best green fleshed variety for greenl best gre Pkt., 25c. greenhouse.

rter's Blenheim Orange. (English Forcing.) The best scarlet fleshed variety for the greenhouse. Pkt., 25c. Carter's Blenheim Orange.

#### COCOMERO WATERMELON MELON WODNY

One ounce will plant about 20 hills; 3 to 4 pounds will plant an acre Irish Grey. This new melon is already becoming popular. The vine is very vigorous and produces fruit until late summer. Flesh is beautiful red and free from stringiness. Well adapted for either

market or home use. Harris' Earliest. The finest of all the early maturing melons of medium size and oblong shape. The vine is productive and a sure cropper, the melons maturing early. Adapted to the Northern States.

Ice Cream or Peerless. Exquisite quality; red flesh, medium size; early.

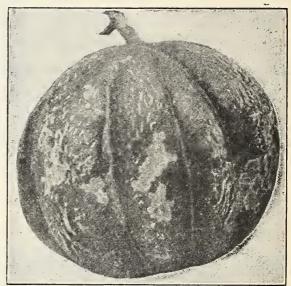
Kleckley Sweet. A new melon. Very popular. Long, dark; exquisite quality.

Citron. (For preserving.) Very hardy and productive. Good keeper.

PASTINAKE; PARSNIPS PASTINACA, Sp.

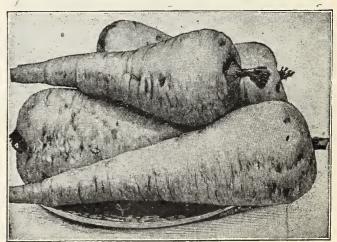
One ounce will sow 150 feet of drill; 5 pounds will plant one acre Culture. Parsnpis do best in deep, rich, sandy soil, but will make good roots on any soil which is deep and mellow and moderately rich.

been selected for good size, uniform shape and freedom from tendency to side roots. Improved American Hollow Crown.



Selected Tip Top

MUSKMELON		
Pkt.	Oz.	1/4 lb.
Extra Early Hackensack\$0.10	\$0.15	\$0.45
Honey Dew	.35	.90
Ohio Sugar	.15	.50
Rocky Ford	.15	.45
Hoodoo	.25	.70
Bender's Surprise	.35	.85
Emerald Gem	.15	.45
Fordhook	.30	.85
Hearts of Gold	.30	.85
Lake Champlain	.70	2.00
Osage	.20	.55
Tip Top	.25	.70
WATERMELON		
Preserving Citron	.15	.40
Ice Cream or Peerless	.15	.35
Harris' Earliest	.15	.40
Kleckley's Sweets	.15	.40
Tom Watson	.15	.40
Cole's Early	.15	.40
Irish Grey	.20	.50
	0	.00
PARSNIP Hollow Crown	.15	.40



Improved American Hollow Crown Parsnips

CIPOLLA

#### ONION

CEBULA

One ounce will sow 100 feet of row; 5 pounds will sow an acre

Johnson's Selected Ohio Yellow Globe. Our seed of this finest of all Yellow Globe Onions is grown in Lake Co. O., by one of the most expert onion men in the state. The strain is distinguished by a distinct attractive shape and a handsome bright even yellow color—ripans early and all at once; neck very small, and cu.es down to almost nothing. The firm, solid burbs are excellent winter keepers, and all that can be desired in size and quality; yielders—800 bush: Is per acre are frequently grown on rich onion land. This is a superb onion for all classes of soil and especially good for all northern Ohio outon sections on account of quick maturing. Prices of select stock grown in Northein Ohio.

Ailsa Craig. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globular and it forms a fine thin neck for a large onion. A splendid keeper; for eating raw it has no superior; it is mildly pungent in flavor, sweet and desirable. perior; it desirable.

Southport Red Globe. Select Stock. yielder.

Yellow Globe Danvers. Select Stock. The stan-dard sort.

Mammoth Yellow Prizetaker. American seed. Grows very large and handsome. flesh, mild flavor. American grown White

Southport White Globe. A magnificent globe-shaped white variety, very popular.

Southport Yellow Globe. Handsome, globe-shaped sort of large size, yellow skin, white flesh, fing grained, mild, firm and good keeper.

White Portugal. Very early, flat, white sort. Mild flavor. Largely used for growing sets.

White Queen. Used to produce pickling onions.

Onion Sets As soon as the ground can be worked in spring, set in rows 1 foot apart and three inches in the row. For succession continue planting every two weeks.

White Bottom Sets. Mild. Very popular. Qt., 35c.

Yellow Bottom Sets. Preferred by many on account of stronger flavor. Qt., 30e.

Egyptian Winter Sets. Plant in August and September for use late in fall and following spring. Very hardy. Qt., 20c.

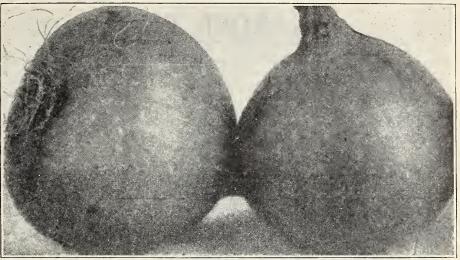
# **MUSTARD**

Sow thickly during early spring, in shallow drills 12 inches apart. For fall use, sow in September.

Southern Giant Curled. The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. Continues to yield until frost. Leaves are eaten boiled like spinach. Pkt., 10c; 0z., 15c; 1/4 lb., 30c.

Fordhook Fancy. Plants are of vigorous growth, and have beautiful dark green leaves which curve outward like a fine ostrich plume. It stands well, even during the hot summer months. It is even superior to the best spinach in flavor. Pkt, 10c; oz., 15c; 1/4 lb., 46c.

ONION		
Pkt.	Oz.	¼ lb.
Ohio Yellow Globe\$2.10	\$0.30	\$0.75
Mam. Yellow Prizetaker10	.35	.90
Selected Yellow Globe		
Danvers	.35	.90
Southport Yellow Globe 10	.35	.00
Southport Red Globe	.25	.75
Mammoth Silver King10	.40	1.10
Southport White Globe10	.40	1.10
White Portugal	.40	1.10
White Queen	.45	1.25
White Welsh	.45	1.25



Johnson's Selected Ohio Yellow Globe Onion

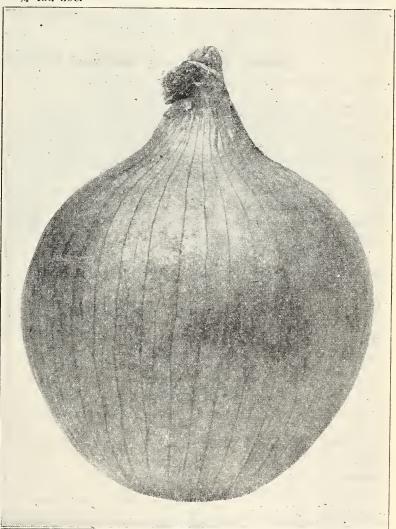
#### MUSHROOM SPAWN

HAVE FRESH MUSHROOMS ON YOUR TABLE EVERY DAY Pure Culture. (In bricks.) The finest quality. This is vastly more dependable than the old style of English Milltrack Spawn, and costs but little more. Bricks, 35c each; 10 bricks, \$3.00. Ask for prices for large lots. Free Leaflet on Mushroom Culture on request.

#### OKRA OR GUMBO

OKRA, Ger.; GOMBO, Fr.; QUIMBOMBO, Sp. Sow after the middle of May, or early in June, in rich soil in drills about an inch deep and 3 feet apart; thin out to 8 inches. White Velvet. Tender white pods, of smooth and velvety appearance. Pkt., 5e; oz., 10e; ¼ lb., 30c.

Perkins' Mammoth. The long pods measuring 4 to 5 inches are produced in great quantities. The appearance is handsome, of green color and best quality. Pkt., 5e; oz., 10e; ¼ lb., 30e.



Prizetaker

# GROCH GARDEN PEAS PISELLO

One to two pounds will plant 100 feet of row; 120 pounds will plant an acre Peas mature earliest in a light, rich soil; for general crop, a rich deep loam is the best. When grown in gardens sow in double rows six to eight inches apart, the rows two to four feet apart, the tall ones requiring brush. Commence sowing Alaska and First and Best as early as the ground can be worked in February or March; and continue with other sorts for a succession every two weeks until June. One quart for 8 rows 10 feet long. See page 8 for new varieties.

#### Earliest Varieties

New Eight Weeks. (See page 8.)

New Hundred Fold. (See page 8.)

Alaska. The very earliest sort. Sometimes called First of All.

First and Best. A round, hard-shelled variety. Can be sown when frost is barely out of the ground. Height, 2½ feet.

Gradus or Prosperity. An extra early wrinkled Pea, hardy, early and profitable. This remarkable Pea is one of the most widely known varieties in cultivation. The vine is about 24 inches in height on good soil. The pods are borne abundantly. As many as 8 to 10 peas of the largest size and most luscious quality are found in each pod.

Extra Early Pilot. The pods and peas are nearly as large as those of Gradus, while they are produced as early as the smooth-seeded extra-earlies.

Blue Bantam. Quite similar to Laxatonian.

Nott's Excelsior. An improvement on American Wonder, being as early and pods much larger. Height, 14 inches.

Sutton's Excelsior. The finest early large podded dwarf wrinkled pea. 11/2

Laxatonian. 15 to 18 inches high, very large pods, similar to Gradus in shape. Quality splendid.

Thomas Laxton. One of the very earliest varieties. The plant is a very hardy and strong grower, producing extra large size pods in abundance. The quality is delicious and cannot be surpassed by any other variety.

Little Marvel. A great acquisition. Height, 15 inches. Deep green, extra early large pods, heavy cropper.

Pioneer. One of the earliest of the wrinkled peas; robust in habit and bearing an abundance of handsome dark green pods well filled with large peas of fine quality. Height, 1½ feet.

Peter Pan. Height, 15 to 18 inches. The largest podded of the dwarf varieties. Pods 4½ to 5 inches long, dark green in color, and well filled with large Peas of superb quality. Very productive.

#### Second Early and Medium Varieties

Dwarf Telephone. Pods containing 8 to 9 large wrinkled peas equal to Telephone pods. Sometimes called Carter's Daisy.

lderman. A remarkably strong growing main crop variety of the Telephone type, with enormous dark green pods, containing 8 to 10 large, wrinkled Peas of immense size; very tender and luscious. 4 to 5 feet bick

**Telephone.** Immensely productive, finest quality. The pods are of large size, containing 6 to 7 peas, of pale green color, of delicious flavor,  $3\frac{1}{2}$  feet.

#### General and Late Crop Peas

Johnson's New Prizewinner. (See page 8.)

**Potlatch.** The vines require no brushing, the pods are immense in size and fullness, and packed with peas that are sweet and rich flavored.

mproved Stratagem. Pods of immense size, filled with very large, dark green Peas of the finest quality; height, 18 inches. Improved Stratagem.

Champion of England. A popular wrinkled variety of delicious flavor; profuse bearer. Peas are large and very tender, 5 feet.

Melting Sugar. Edible podded.

Canada Field. Lowest prices on application. (See p. 29.)

#### PREZZEMOLO PARSLEY PIETRUSZKA

One ounce will sow 150 feet of row; 3 pounds will sow an acre

Culture.—Soak seed for several hours and sow in border or frame. Thin the rows or transplant to 8 inches each way

Johnson's New Bouquet. (See page 7.)

Champion Moss Curled. A choice selected strain, with crimped and curled leaves. Pkt., 5c; oz., 15c; ½ lb., 40c.

Hamburg Turnip-Rooted. The root, which resembles a small parsnip, is the edible portion of this variety. Extensively grown and used for flavoring soups, etc. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



# **PEANUTS**

ew Mammoth Bush. These nuts make compact bushes eighteen inches high, with heavy, erect stalks. They produce a large quantity of the mammoth nuts, adapted for culture in our northern climate, especially in light or sandy soils. Large pkt., 10c; ¼ lb., 20c; lb., 50c; ½ pt., 20c; pt., 35c; qt., 60c.

weet Spanish. The earliest variety grown. Pods are small, remarkably solid, well filled, and of on extrafine quality. Yield per acre very large. Large pkt., 10c; ¼ lb., 15c; lb., 40c, postpaid. New Mammoth Bush.

Sweet Spanish.

PEAS, SMOOTH-SEEDED EXTRA EARLY
Pkt. Lb. 2 lbs. Lb. \$0.40 5 lbs. **\$1.75** \$0.75 .50 .55 

 Alaska
 .10

 First and Best
 .10

 Prolific Early-Market
 .10

 Blue Bantam
 .10

 Ex. Ea. Pilot
 .10

 Gradus
 .10

 Hundredfeld
 .10

 New Eight Weeks......\$0.15  $\begin{array}{c} \textbf{1.10} \\ \textbf{1.20} \end{array}$ .30 .30 1.20 1.60 1.50 Gradus
Hundredfold
Laxatonian
Little Marvel
Melting Sugar
Nott's Excelsior
Peter Pan
Potlatch  $\begin{array}{c} \textbf{1.50} \\ \textbf{2.25} \end{array}$ .15  $\begin{array}{c} \textbf{1.60} \\ \textbf{1.70} \end{array}$ .75 .60  $1.70 \\ 1.35$ 1.60 1.60  $1.70 \\ 1.60$ 1.60  $\begin{array}{c} \mathbf{1.60} \\ \mathbf{1.60} \end{array}$ Pioneer ..... Inp. Stratagem
Alderman
Champion of England
Duke of Albany
Dwarf Telephone
Telephone (Dark-Pod)
Prizewinner  $1.50 \\ 1.50$ 1.50 1.60

#### PEPERONE

#### PEPPER

PIEPRZ

One ounce will produce 1000 to 1200 plants

Johnson's Earliest Mango. The flavor is very mild, so that the peppers may be eaten like an apple. If you want peppers and lots of them, plant Johnson's Earliest. In an average season Johnson's Earliest will produce five times as many peppers as any other sweet kind, and they mature much earlier. For the Northern parts of the country this is the only large sweet pepper that can be relied upon to produce a crop every season. We offer seed of our own raising. It is northern grown and of a pedigreed strain strain.

Perfection Pimiento. Especially desirable for the home garden both green and ripe. The hull or meat is two to three times as thick as that of the old "Bell" types. Very sweet and delicious and entirely free from pungency. A beautiful scarlet red.

Ruby King. We have a fine strain of this well known sort.

World Beater. A cross between Chinese Giant and Ruby King. Early Neapolitan. Fruit of good size, growing on vigorous stalky plant. Flesh thick, mild.

Red Squash or Tomato Shaped. Fruit small, flat, glossy dark red, early, very productive, thick fleshed and sweet. Becoming more popular every season.

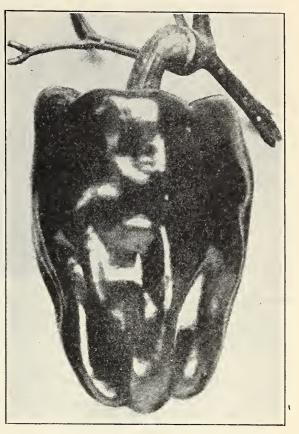
Large Bell or Bull Nose. Vigorous grower, compact and productive. Long Red Cayenne. Small, long, slim, very hot.

Red Chili. Small, bright red; hot.

Sunnybrook. Of the Pimiento type, averaging 3 inches in diameter and 2 inches deep, rich, deep scarlet in color, produced in clusters of four or five, on bushes 15 inches high and 20 inches broad. Very prolific and exceptionally mild.

Sunburst (Yellow). The best large-fruited yellow Pepper. Fruits resemble Ruby King in size and shape, but are bright yellow when ripe, thick-fleshed and mild.

Chinese Giant. An exceedingly large red Pepper. The plants are vigorous but stocky, about 2 feet high, well branched and thickly set with fruits. The monstrous fruits mature slightly later than Ruby King, are blocky in form, 4 to 5 inches broad at the top and of equal length, divided into four or more large ridges, and of a most brilliant glossy scarlet color. All fruits are enormous and very mild in flavor.



Johnson's Earliest Mango

#### ACETOSA

SORREL

SZCZAW

One ounce will sow 100 feet of row

Sow early in spring, thinly in rows 12 to 18 inches apart. Thin to 6 or 8 inches apart. Commence cutting in about two months after planting; the plants will continue to bear fully for three or four years.

Large French Broad-leaved. The best of the garden Sorrels, having large, pale green leaves of mild, acid flavor; esteemed as a salad, also cooked as greens, etc. Pkt., 10c; oz., 25c; 1/4 lb., 65c.



Small Sweet or Sugar Pumpkin

# Rhubarb, or Pie Plant

RHABARBER—RUIBARBO

One ounce of seed will produce 500 plants

Requires a deeply cultivated and thoroughly manured soil. Sow the seed early in the spring, in rows 1 foot apart. The second year after planting, plants can be removed in autumn to the permanent place in the garden alloted to them. Plant the roots 2 feet apart each way.

Victoria. In general use for market and home-garden. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75, postpaid.

RHUBARB ROOTS. Each, 15c; doz., \$1.50.

#### ZUCCA PUMPKIN BANIA

One ounce will plant about 25 hills; 4 pounds will plant an acre

Plant after the ground has become thoroughly warm in hills 8 feet apart each way, dropping 8 seeds to a hill. Cover firmly with 1 inch of soil. After plants are well started thin to 4 to each hill. Pumpkins may also be planted in the corn-field, dropping 2 or 3 seeds in every third or fourth hill of corn. The Pumpkins should be gathered from the vine with the stem attached. They should be kept in a warm, dry, well-ventilated place. Full cultural directions on every packet and ownce has ounce bag.

Connecticut Field. A very productive, large, orange-colored field Pump kin; a little deeper than round and slightly flattened. Extensively grown between corn for stock-feeding; it also makes good pies. Flesh is deep rich yellow, fine-grained, and highly flavored.

King of the Mammoths, or Jumbo. The largest of all Pumpkins, often weighing 200 pounds. Shape flattened-round, skin light orange-colored, slightly rough; flesh bright yellow, fine-grained and of good

mall Sugar. This veriety is small, round, somewhat flattened, 8 to 10 inches in diameter, slightly ribbed, and of a deep orange color. The flesh is a rich deep yellow, fine-grained and Small Sugar.

low, fine -very sweet.

Field. The fruits are large flattened-round, the diameter being twice the thickness from top to bottom. The skin is mottled light green and yellow, changing to creamy yellow when mature. Flesh is yellow, tender, and excellent.

Pie, or Winter Luxury. The fruits are of medium size and nearly round. The skin is light yellow, smooth and covered with a fine russet netting. Flesh is light yellow, very thick, sweet and finely flavored. (See page 9.)

PEPPERS	Pkt.	Oz.	¼ lb.
Perfection Pimiento .	01.08	\$0.70	\$1.90
Chinese Giant	.10	.90	
Crimson Giant	.10		
	.10	1.20	
Johnson's Earliest	110	Linu	9.30
Large Bell, or Bull	- 0		- 00
_ Nose	.10	.70	1.90
Long Red Cayenne	.10	.60	1.65
Neapolitan	.10	.75	2.00
Red Chili	.10	.70	1.95
Red Squash	.10	.90	2.50
Ruby King	.10	.75	2.10
Ruby Giant	.10	.75	2.10
World Beater	.10	.90	2.50
	.15	1.25	3.75
Sunnybrook			
Sunburst	.10	1.00	3.25
PUMPKIN			
Connecticut Field	.05	.10	.35
King of Mammoths	.10	.20	.55
	.10	.15	
Large Cheese			
Pie, or Winter Luxury	.10		
Small Sugar	.10	.15	.45



Johnson's Home Table. (See page 7.) A nearly globe-shaped Radish, very large, and remaining in good condition a remarkably long time for such an early variety. Skin is fine crimson, and flesh pure white of excellent quality. It matures very quickly and is tender and crisp. A fine sort for open ground and for successive sowing.

leicle. A beautiful waxy white, long-rooted Radish, gradually tapering down from the shoulder which is about % inch in diameter. The roots are usually 5 or 6 inches long and have small tops. This is the earliest of the long-rooted early summer white sorts, desirable for outdoor planting and for forcing. Flesh is crisp and tender.

Cincinnati Market. The finest long Red Radish in cultivation either for house or for market. (See illustration.) Skin scarlet colored, very thin, the flesh crisp, brittle and of delightful flavor.

White Tip Sparkler. A splendid variety of the Scarlet Turnip White-Tipped type, but showing more white, practically the whole lower part being white, while the upper half is a bright scarlet; good quality.

Bright Red Forcing. An excellent extraearly forcing variety forming radishes which are uniform, small, nearly round and of bright scarlet color. Tops are very small. Flesh white, crisp, and finely flavored. Matures in 20 days. Our strain of this perfect Radish is clean and fine, and is in very large demand.

Philadelphia White Box. A very fine early Radish, round, slightly flattened, and of a beautiful white color. It has a medium top, matures early and is grown extensively both under sash and outdoors. Our stock is excellent.

French Breakfast. A favorite sort, mild and crisp.

White Tipped Scarlet Turnip. For early planting in frames or outdoors.

Rosy Gem. An extra early strain of White Tip Scarlet Turnip, adapted to forcing.

White Stuttgart. Shape like a turnip; skin and flesh both white, excellent summer variety.

Long White Vienna or Lady Finger. Pure white in color, of long tapering shape.

Improved Chartier. The color at the tcp is crimson, running into pink about the middle, and from thence downward is pure white. Splendid for summer use.

China Rose. Bright rose color; fine for win-

Round Black Spanish. Fine for winter use.

Celestial. Flesh white and crisp; fit to use early in the fall.

California Mammoth White Winter. A white-fleshed Radish of excellent quality.

#### **RADISHES**

RAVANELLO—RZODKIEW

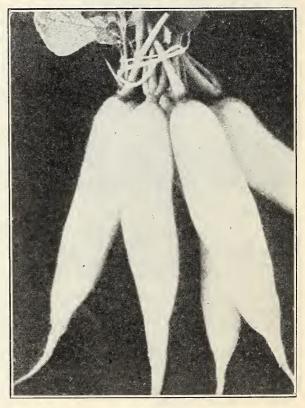
One ounce will sow 100 feet of row; 8 pounds will sow an acre in drills; 12 pounds broadcast

To be crisp and tender, Radishes must grow quickly; whenever growth is checked by drought or cold weather, they become tough and pithy. Rich, light sandy soil suits them best. For the forcing crop, sow seeds in hotbeds in rows 5 to 6 inches apart and thin the plants as the ground becomes warm. Seed of winter varieties should be sown in midsummer. Summer varieties are best adapted for general crop.

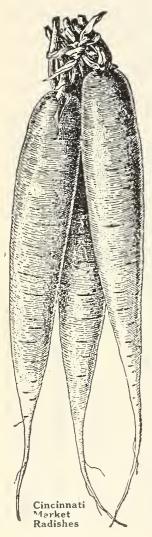
Johnson's Extra Select Scarlet Globe. This new radish has a remarkable ability to bear the heat necessary for rapid growth without becoming pithy or losing flavor. As shown in the illustration, it is of surpassing beauty as regards shape and color. The flesh is crisp, tender, juicy and mild. The color is a rich scarlet. It has a small top and the roots are surprisingly uniform in shape and size. We offer only the most carefully grown seed. (See cut.)

Johnson's New Saxa. The earliest of the forcing radishes, and one of the slowest to shoot to seed. Round, bright scarlet and with the smallest possible top. (See cut page 7.)

RADISH	Pkt.	Oz.	¼ lb.
Cincinnati Market	\$0.10	\$0.15	\$0.40
Icicle	.10	.15	.40
Long Scarlet Short Top.			
Long White Vienna	.05		
Bright Red Forcing	.10		
Crimson Giant	.10		
Johnson's Scarlet Globe			
Early Scarlet Turnip			.35
Sparkler White-Tip			
Johnson's Home Table			.65
French Breakfast		.15	.40
Johnson's New Saxa		.20	.60
Philadelphia White Box.	10	.15	.40
Rosy Gem	.10	.15	.40
Giant White Stuttgart		.15	.40
White Strasburg	.10	.15	.40
Golden Yellow Oval			.40
Celestial	.10		.40
Calif. Mam. White		.15	
Rose China Winter			
Round Black Spanish	.10	.15	.40



Icicle Radish



# SPINACH

SPINACCIO—SZPINAK

One ounce will sow 100 feet of row; 15 pounds will sow an acre in rows, 25 pounds if broadcast

Johnson's Norbek. This new variety is the top notch of the Spinach family, being a decided improvement on all other kinds. The leaves are broad, heavy and of a dark green, glossy color, much more heavily blistered than Long Season; it will also stand at least a week or ten days longer without shooting to seed, which is an important factor. The plant is not of the rosette type, but stands more erect, and requires a less number of plants to fill a basket than any other variety. A trial will convince you that this is the most profitable variety to grow.

Victoria. Very heavy, broad deep green

Victoria. Very heavy, broad deep green crumpled leaves; stands long in prime condition, rendering it especially valuable for spring sowing.

Thick Leaf (Viroflay). The favorite variety for early spring or fall crop. Quick grower and an immense yielder.

A variety quite similar to Victoria, but Long Season. more wrinkled.

Everlasting, or New Zealand. Distinct; endures heat; best for summer. Thrives during the hot weather in any soil, rich or poor. The tender shoots are of good quality and may be cut throughout the summer.

King of Denmark. This splendid new sort from Denmark is undoubtedly the most valuable introduction



Johnson's Norbek Spinach

of Spinach in recent years. Remains in condition from one to two weeks after other varieties have gone to

seed.

Bloomsdale Savoy Leaved (Norfolk Savoy). Very early and hardy, and one of the best for market. Plant of upright growth; leaves of medium size, more or less crumpled and blistered; color glossy deep green.

Early Giant Thick Leaved. One of the largest sized varieties, sometimes measuring 2 feet across.

#### SQUASH

ZUCCA—MIEKURZ

Mammoth Yellow Bush or Golden Custard. This is identical to the Mammoth White Bush, but the fruits are even larger and have a rich, golden orange skin as well as rich, creamy yellow flesh.

Mammoth White Bush. True bush growth, and produces large fruits with scalloped edges, frequently 12 to 14 inches in diameter.

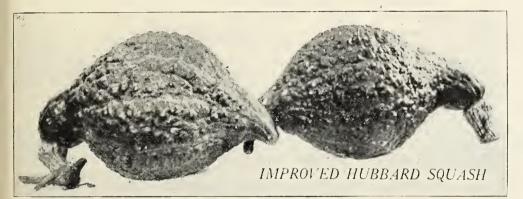
Giant Halian Summer. This is about the size and shape of a baseball bat. Very pepular where there is a large foreign population. Color white. Must be used before becoming hard.

Warted Hubbard. Similar in size and quality to the well known Hubbard, but is more heavily warted and a very dark green, almost black, in color. Our stock of this variety is exceptionally true.

Fordhook A small, oblong variety, excellent for summer or winter; fruits 8 to 10 inches long.

excellent for summer or winter; fruits 8 to 10 inches long.

Des Moines. This is a small acornshaped, dark green Squash, almost black, about 5 or 6 inches long and 4 inches in diameter. The ground is literally dotted with the dark-colored Squashes, which are the very essence of quality. It makes excellent pies and can be cooked whole when young, and it is also a good keeper. Baked halves of Des Moines Squash always cause favorable comment.



olden Hubbard. The shell is moderately warted, hard, strong and of a rich orange red color. Flesh deep orange, dry and of best quality; good keeper.

Delicata. An early ripening winter sort producing an enormous crop of oblong fruits. Orange yellow, striped with green. Known as "Sweet Potato" Squash.

Giaut Summer Crookneck. (Bush.) The largest and one of the earliest summer varieties; fruits warty.

Improved Hubbard. The standard winter squash; fruits large, heavy and moderately warted; shell dark bronze green, showing more or less light green markings toward blossom end; flesh bright orange yellow, fine grained, thick and dry.

# VEGETABLE MARROWS

Long Cream. A vine variety. Oblong shape, with smooth creamy-white skin. Oz., 20c; ¼ lb., 60c; lb., \$2.00.
English Marrow. A bush variety. Fruits shorter than Long Cream. Oz., 20c; ¼ lb., 50c; lb., \$1.75.

Long Green. Long and rather slim, with striped green skin; a vine variety. Oz., 20c; ¼ 1b., 60c; 1b., \$2.00.

Cocozelle Bush. Oblong; skin green striped; excellent quality. Oz., 20c; 1/4 lb, 50c; lb., \$1.75.



Vegetable Marrow

#### SALSIFY. **OYSTER** PLANT

Mammoth Sand-wich Island. Roots large, long, smooth, tender, and well flavored, resem-bling fair-sized parsnips.

SALSIFY Sandyrich	Pkt.	Oz.	¼ lb.
Mammoth Sandwich Island	\$0.10	\$0.30	\$0.85
Des Moines	.15	.30	.85
Giant Italian			.75
Giant Summer Crook-			
neck			
White Bush Scalloped		.15	.40
Yellow Bush Scalloped Blue Hubbard			1.50
Fordhook		.15	.40
Warted Hubbard		,20	.55
Delicata		.25	.65
Golden Hubbard		.20	.55
Smooth Hubbard		.20	.55
SPINACH Pkt.	Oz.	¼ lb.	Lb.
Johnson's Norbek\$0.10	80.15	\$0.30	\$1.00
Bloomsdale			
Savoy	.10	.20	.45
King of Den-	.19	.30	.80
mark	.10	.20	.60
Early Giant	.10		.00
Thick-leaved05	.19	.29	.45
New Zealand10	.15	.40	1.35
Victoria05	.10	.20	.45
Viroflay05	.10	.20	.45

#### POMO D'ORO TOMATO POMIDOR

One ounce will produce from 1,000 to 2,000 plants

Culture.—Sow from March to April 15th in a hotbed or greenhouse, where the temperature is never below 60 degrees. About the first of June they may be transferred to the open ground. Set them deeply, four feet apart, and a shovelful of rotted manure should be mixed in the earth of each hill.

EXTRA EARLY WAYAHEAD TOMATO. (See page 9.)

Early Detroit. This splendid variety is the largest and best of the early purplish pink tomatoes. The vines are vigorous and very productive. The fruits are very smooth, uniform in size, nearly globe-shaped, firm, and of excellent quality. Early Detroit is one of the most valuable shipping tomatoes yet introduced. It is also desirable for the home garden and near markets.

Manyfold. A new variety, producing a heavy crop of large fruits very early in the season. The color is brilliant red, which extends also to the flesh. The fruits generally grow in clusters of 4 and 5.

Improved Beauty. A decided favorite for either home market or shipping purposes, being early, hardy, strong grower, productive; fruit large, always perfect in shape and excellent in quality. The color is glossy crimson with a tinge of purple. It grows in clusters of 4 to 6 large fruits, retaining its large size late in the season. It is very firm fleshed, with but few seeds. It seldom rots or cracks after a rain. Can be picked quite green, will look well, ripen up nicely and keep perfectly for a week after it is ripe.

Chalk's Early Jewel. Fruit uniformly smooth, round and solid; color crimson.

Matchless. A large smooth, second early sort; color red.

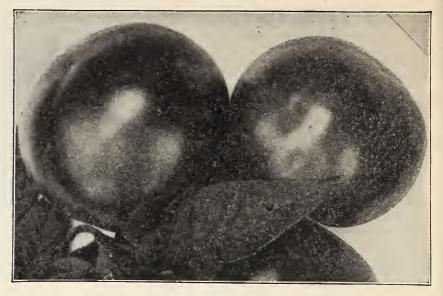
Golden Queen. The fruits are large and smooth; of bright golden yellow color.

Stone. The standard and general favorite with truckers and canners; always dependable, very vigorous and productive; fruits round, large, solid, smooth and deep red in color. Our selected stock of Stone is much above the average.

Truckers' Favorite. A popular purple-fruited sort on the order of Beauty and of the same general habit of growth; the fruit is, however, more flattish.

Dwarf Champion. Of a distinctly dwarf, compact, upright growth; fruits smooth, solid and medium size. Color pink; quite early.

TOMATOES			
	Pkt.	Oz.	¼ lb.
Beauty,	\$0.10	\$0.45	\$1.25
Bonny Best	.10	.45	1.25
Chalk's Early Jewel	.10	.45	1.25
Dwarf Champion	.10	.50	1.50
Dwarf Stone	.10	.50	1.50
Earliana	.10	.60	1.65
Early Detroit	.10	.45	1.25
Early Acme	.10	.40	1.25
Golden Queen	.15	.90	2.20
Truckers' Favorite	.10	.45	1.25
Avon Early	.10	.75	2.50
John Bauer	.10	.45	1.25
Livingston's Globe	.10	.50	1.50
Manyfold	.15	1.25	4.00
Matchless	.10	.40	1.25
Ponderosa or Beefsteak.	.10	.75	2.00
Stone, Selected	.10	.40	1.25
Wayahead	.15	1.25	4.00
New Red Head	.15	1.25	4.00
Gulf State Market	.15	1.25	4.00



Earliana Tomato

Earliana. The earliest and best of the very early tomatoes; fruit smooth, solid and produced in clusters; color bright scarlet. Our many years of selection on this stock has made it unequalled. Pkt., 10c; oz., 60c; ¼ lb., \$1.65.

Earliana. (Johnson's Stock Seed.) Oz., \$1.00.

Bonny Best. Very smooth, solid, uniform, and produced in clusters; ripens uniformly and is very productive; color bright red. Pkt., 10c; Oz., 45c; ¼ lb., \$1.25.

Bonny Best. (Johnson's Stock Seed.) Oz., \$1.00.

Livingston's Globe. A large purplish pink variety of excellent quality. The shape is very nearly round or globe-shaped with a pronounced elongation at the flower end. The vines are vigorous and productive. The fruits are very smooth, firm and solid, and mature a little earlier than most main-crop varieties. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Livingston's Globe. (Johnson's Stock Seed.) Oz., \$2.00.

Dwarf Stone. This is the largest fruited of all the dwarf varieties. Vines are dwarf, vigorous, and very productive. A late maturing sort, with large, smooth, bright red, very solid fruits having thick meaty walls; of fine flavor. Produced in clusters of 3 to 5, and vines are close jointed. The form, habit and color of the bush are the same as Dwarf Champion, the only difference being the color of the fruit.

Avon Early. Fruits are very solid and large size early variety, nearly round, smooth and deep scarlet-red in color, making it very attractive to the eye. The quality is good, being thick-meated, of good flavor. 1/2 oz., 40c.

Early Acme. Hardy, early and productive; color purplish pink.

John Baer. We have a splendid uniform stock of this variety.

Red Head (New). An exceptionally fine, large, bright red variety, as early as Chalk's Jewel and nearly as large as Stone and as productive; fruits nearly globe-shaped; very solid; vine of medium growth; an excellent canning variety. ½ oz., 65c.

Gulf State Market. The best of the early, purple-fruited varieties. In season with Early Detroit, while fruit is larger, smoother, more globe shaped; very solid, free from cracking, and productive. 1/2 oz., 65c.

#### Ponderosa—The Giant Tomato

Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches 1 pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. ½ oz., 40c.

#### Greenhouse Tomatoes

English Comet. This is a splendid variety for greenhouse. It is very short-jointed, fruiting close up to the stem. The tomatoes are of a good medium size, quite smooth, very solid and of a deep scarlet color. Pkt., 15c; ½ oz., 35c.

Sutton's Best of All. Sets freely and is an immense cropper. Fruits smooth, good size; deep scarlet. Pkt., 15e; ½ oz., 35c.

#### Preserving Tomatoes

The following small-fruited varieties are used for making preserves, and are also quite ornamental:. Pear-shaped Red, Pear-shaped Yellow, Yellow Plum, Yellow Cherry, Red Cherry, Red Currant, Red Peach, Strawberry, or Ground Cherry. Pkt., 10c; ½ oz., 25c; oz., 45c.

# NAVONE TURNIP RZEPA BRUKIEW

One ounce will sow 200 feet of row; one pound will sow an acre in drills; 2 pounds broadcast

Purple Top White Globe. (See cut.) This is one of the handsomest and most salable Turnips. Very desirable for either home or market gardens. It is a large, rapid growing sort, with globular shaped roots. Flesh is pure white and the top bright purple. On account of its shape it will outyield any other sort and is always a sure connect. sure cropper.

Early White Egg. Matures very quickly and is adapted for either spring or fall sowing. It is egg shaped, and very smooth with thin skin. The tops are small, and the roots, which grow above the ground, are of medium size, with pure white skin and flesh which is fine grained and sweet.

White Milan. Extra early white of most delicate flavor and tempting appearance.

Red Top Strap Leaf. A standard sort extensively grown for private use.

variety, flesh fine grained and sweet, excellent for table use. Long White or Cow Horn.

Early Purple Top Milan. Earliest of all purpletopped Turnips.

Golden Ball. A rapid grower of excellent flavor, globe shaped, medium size; bright yellow color, good keeper and a superior table variety or for use in feeding stock.

Yellow Aberdeen, Purple Top. Very hardy and productive, good keeper, globe shaped, fine quality. The Turnips grow to a large size and are valuable for feeding stock.

Yellow Stone. One of the best yellow flesh sorts for table. Seven Top. Grown exclusively for the tops, which are becoming very popular for greens.

# Rutabagas

Sow Rutabagas in June and July in drills two feet apart; thin out to nine inches in row.

Long Island Improved. A yellow-fleshed purple top variety,

grown either for stock or table.

Perfection White. The best white variety offered.

# SWEET, POTAND MEDICINAL HERBS

Anise. Aromatic. Used medicinally. Pkt., 10c; oz., 20c. Arnica. (P) Used medicinally. Pkt., 15c; oz., \$1.00. Balm. (P) Leaves used medicinally. Pkt., 5c; oz., 35c. Basil. (A) Used for flavoring. Pkt., 5c; oz., 35c.
Chamomile. (A) Emetic, vermifuge. Pkt., 15c; oz., \$1.00. Caraway. (A) Seeds used in confectionery. Pkt., 5c; oz., 30c. Catnip. (P) Used Medicinally. Pkt., 10c; oz., 50c. Coriander. (A) Used in confectionery. Pkt., 5c; oz., 20c. Dill. Flavoring pickles. Pkt., 5c; oz., 20c; ¼ lb., 50c. Fennel. (P) Used for flavoring fish. Pkt., 5c; oz., 25c. Fennel, Florence. (A) Used for salads. Pkt., 5c; oz., 25c; 1/4 Horehound. (P) Used medicinally. Pkt., 5c; oz., 30c. Lavender. (P) Valuable for its perfume. Pkt., 10c; oz., 25c. Marjoram, Sweet. (P) For Flavoring. Pkt., 10c; oz., 60c. Rosemary. (P) Valuable as a hair wash. Pkt., 5c; oz., 35c. Sage. (P) Used for flavoring. Pkt., 10c; oz., 75c.
Summer Savory. (A) For flavoring. Pkt., 10c; oz., 45c; 1/4 lb., \$1.75. Sorrel. (P) Salads and greens. Pkt., 5c; oz., 30c.
Thyme. (P) Used for seasoning. Pkt., 10c; oz., 75c.
Wormwood. Pkt., 10c; ½ oz., 35c; oz., 60c.



Purple Top White Globe Turnips

# **Dusters for Insecticide Powders**



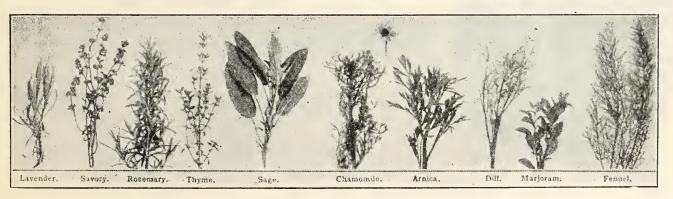
Knapsack, Bellows type; has no wheels, cogs, belts or other complicated mechor other complicated mechanism that would give trouble. Equipped with fine and coarse screens, and an adjusting slide to regulate volume of flow. Capacity, 6 quarts. Price,

Vermorel "Orange"

Vermorel "Double Duster. The flow from this machine is continuous. Capacity, 6 quarts. Construction is slightly heavier than the "Orange." Price, \$25.00.

Tin Dusters, for sifting pow-der on plants. Price, 60c. Vermorel Duster

TURNIP, YELLOW		
Pkt.	Oz.	¼ lb.
Golden Ball	80.20	\$0.40
Yellow Aberdeen	.20	.40
Yellow Stone	.20	.40
TURNIP, WHITE		
Cow Horn	.20	.30
Early Purple-Top Milan	.20	.50
Early White Milan	.20	.55
Purple-Top Strap-leaved05	.20	.35
Purple-Top White Globe10	.20	.40
Snowball	.20	.40
White Egg	.20	.35
TURNIP		
Seven-Top (for greens)05	.20	.45
RUTABAGA		
Long Island Improved10	.20	.35
Perfection White	.20	.50
Perfection White	.20	.50



PLANT THE **BEST** 

# EARLY DENT SEED CORN

PLANT THE BEST

It costs less than 75 cents an acre to use our carefully selected SEED CORN. Do not consider it wise to risk seed of doubtful ancestry when PEDIGREED SEED is so cheap! All prices subject to market fluctuations.

> Johnson's First Choice Yellow Dent Quick Maturing—Heavy Yielding—Tipped and Butted

Quick Maturing—Heavy Yielding—Tipped and Butted

This excellent variety possesses so many good points that we offer it as one of the best early yellow Dent Corns. The plant is strong, deep rooted and stocky, enabling it to withstand drought in a remarkable manner. The Corn matures in 85 days from planting. It is a very heavy yielding variety, nearly all stalks bearing two ears, some three. The ears are medium sized with a very small cob which is covered from tip to tip with a very beautiful golden yellow dent corn. The ears average from 7 to 9 inches in length. In addition, it is the finest variety for second or late planting in more southerly locations.

Our seed of First Choice has been carefully selected for many years by an expert in Southern Michigan and is, therefore, especially adapted to Northern Ohio and like latitudes. Qt., 50e; ½ pk., 95e; pk., \$1.75; bu., \$6.50.

Early Huron Yellow Dent

Stalks grow about 7 to 8 feet high and set the ears 3½ to 4 feet from the ground. Ears measuring 8 to 10 inches in length, very uniform in size and shape. Color is a clean, light golden. The seed we offer has been grown in Northern Ohio for many years. Qt., 45e; ½ pk., 95c; pk., \$1.75; bu., \$6.00.

Improved Learning Yellow Dent

Improved Learning is medium early. The ears are large with very deep bright yellow kernels. The cob is small. The stalks grow to a medium height and often produce two large ears and make first-class fodder. One of the best varieties to sow for fodder and ensilage, as well as for grain.

Qt., 45c; ½ pk., 95c; pk., \$1.75; bu., \$6.00.

Northern Ohio White Dent

The brightest silver colored Corn. The ears are very large, extra long, medium depth of kernel, extremely firm and solid. It matures early, having originated in Northern Ohio. Qt., 45e; ½ pk., 95c; pk., \$1.75; bu., \$6.00.

White Cap Yellow Dent

It is a strong grower, resists heat and drought; yields large crops on thin soil; matures in 90 to 100 days, stalks 8 to 10 feet high, ears 8 to 10 inches long, well filled with 16 to 18 rows, packed solidly on a small red cob. The outer end of the grain is white and deeply dented, balance amber yellow. Qt., 45c; ½ pk., 95c; pk., \$1.75; bu., \$6.00.

Johnson's "Ohio White" Ensilage

This variety is quite similar to the famous Blue Ridge Ensilage and is the most productive of all ensilage Corns. It makes a very large growth, with abundant fodder, very large ears with broad kernels. The seed we offer is tipped and butted by hand. Qt., 45c; pk., \$1.75; ½ bu., \$3.00; bu., \$5.50, f. o. b. Cleveland; bags free.

Red Cob Ensilage

A pure white Corn cropping as high as 45 tons of fodder per acre. Sweet, tender and juicy. An excellent silo Corn. Bu., \$4.00; bag of 2½ bu. for \$9.25, including grain bag.

#### SELECTED SEED OATS NORTHERN CROWN

New Johnson Oats

The New "Johnson" Oats originated in Michigan. The heads are large and branching and loaded with big, plump, thin-hulled and bright grain. Its roots run deep into the soil, thus supplying the plant with moisture and food even in a dry season. It stools surprisingly so that one peck less should be sown per acre. It is plump and heavy, often weighing 36 to 40 lbs to the bushel. The straw is very stiff and of redium height, holding up its large, well-filled heads on the richest ground when other varieties lie flat. The "Johnson" are not side Oats. Frices of Cheicest Michigan Grown Seed, bn., \$1.75; 5 bu. or more at \$1.70 per bas; 10 bu. at \$1.65 per bu. Grain bags free.

Improved Swedish Oats

The grain is white, large and plump, ripens early, has a stiff straw of good length. It stools freely and throws up a large number of stems, and therefore requires less seed per acre. Choicest Michigan Grown Secd. Bu., \$1.55; 5 bu. at \$1.50; 10 bu, at \$1.45. Grain bugs free.

New Sensation Oats

They are noted for vigorous growth and large, white, plump grains, with thin hull, weighing 40 lbs. per bu. with ordinary thresher cleaning. On account of large per cent of meat in the kernels they are well suited for outmeal and other Oat products. Choicest Michigan Grown Sced. Bu., \$1.50; 5 ba. at \$1.45; 10 ba. at \$1.40. Grain bags free.

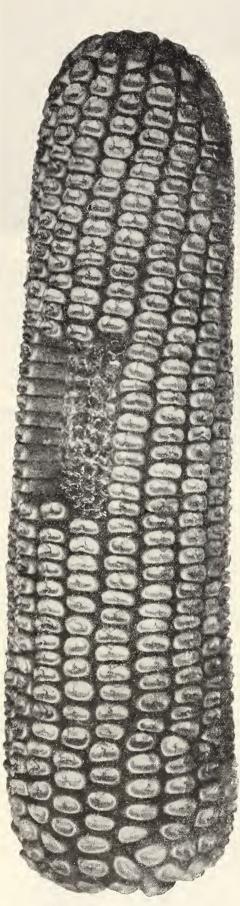
Bonanza Vats

This old standard sort is still very popular as it can be depended upon to produce good yields under adverse conditions. Ba., \$150; 5 bu. at \$1.45; 10 bu. at \$1.40. Grain bags free.

Silver Mine Oats

This Oat has a reputation as an exceedingly heavy and reliable yielder. It is very hardy and prolific and yields beautiful white kernels, which are especially desirable for the manufacture of rolled oats.

The heads are very large in proportion to the stiff, bright, clean straw. Bu., \$1.50; 5 bu. at \$1.45; 10 bu. at \$1.40. Grain bags free.



Johnson's First Choice Corn

# Johnson's High Grade Farm and Clover Seed

About prices. It is impossible to quote firm prices at the time our Catalog is printed, owing to the fact that the market fluctuates so much. We will always be pleased, however, to quote by letter if you will drop us a line when you are ready to buy. We handle only the highest grades.

### CLOVERS—Highest Grades Only

Prices Vary—Special Quotations on Application
Alfalfa, or Lucerne (Medicago sativa). It is sown during
May, August and September. Careful preparation of
the soil previous to sowing is the main thing. Sow
not less than ½ bushel (30 lbs.) per acre, preferably
with no other crop. Our seed is always over 99 per
cent pure, and will invariably give the best results.
Choice Non-Irrigated Western Grown Seed. Price on
application.

Choice Non-Irrigated Western Grown Seed. Price on application.

Grimm Alfalfa. Claimed to be hardy in any and all regions, a heavy yielder and of deeper rooting ability. It requires only about 10 lbs. of Grimm Alfalfa to properly seed an acre, on account of its great root system and spreading habit. Price on application.

Alsike, or Swedish Clover (Trifolium hybridum). One of the best for mixing with timothy; it is hardy in every climate or soil condition and seldom has to be reseeded. The flower resembles the white clover except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone, or 8 lbs. per acre with timothy. Price on application.

Bokhara, or Sweet Clover (Melilotus alba). While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is excellent. It grows from 3 to 5 feet high, according to soil and location; can be cut as often as three times in a season. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. Choice Hulled Seed. Price on application.

Crimson Clover (Trifolium incarnatum). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure it should be allowed to mature; its height is 1 to 2 feet. Sow any time from April to October, the earlier the better; 20 lbs to the acre. Late summer or fall seeding is usually practiced. It is not hardy for more than one season and must be sown each year. Price on application.

for more than one season and must be sown each year.

Price on application.

Mammoth Red Clover (Trifolium pratense perenne).

Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium" being of a ranker growth and yielding more fodder per acre. Sow in early spring or in July and August, using 20 lbs. per acre alone, or with other crops, 10 lbs. per acre; flowers pink. Price on application.

Red Clover, Medium (Trifolium pratense). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. Cut twice in a season. It is hardy for a period of years, being usually resown every third season; flowers pink. Prices on application.

# **GRASSES**

Orchard Grass (Dactylis glomerata). A valuable pasture Grass, adapted for growing in shady, moist places. Sow 20 lbs. per acre. Prices on application.

Kentucky Blue Grass (Poa pratensis). Extensively grown in all parts of the country. We handle only the fancy recleaned seed. Sow 2 to 3 bu. per acre. Lb., 60c. 60c.

Headow Fescue (Fescue pratensis). A valuable Grass for permanent pasture. Sow 35 lbs. per acre. Prices on application.

on application.

Sindan. A new forage plant for hay and silo. Six to ten feet high, makes small leafy stems and is greatly relished by stock. Sow seed when ground has become warm, using 4 to 6 lbs. per acre, in drills 18 to 24 inches apart, and cultivate like corn. Prices on appliance. cation.

Red Top (Agrostis vulgaris). Suitable for meadow, lawn or pasture. Sow 20 lbs per acre. Price, solid seed, lb., 30c.

rimothy or Herd Grass (Phleum pratensis). Produces a profitable hay crop in almost any soil. Sow 20 lbs. per acre. Per lb., 25c. Write for sample and present

# Farmogerm Inoculating Bacteria

High-bred nitrogen-fixing bacteria; makes poor soil good to raise the biggest and best crops of peas, beans, sweet peas, clover and other legumes. Farmogerm Inoculating Bacteria will do it and add nitrates to the soil to benefit future crops of any kind. Write fer booklet. All ACRE SIZE bottles of Farmogerm sell for \$1.00. Send your order stating what you wish to incompate. inoculate.

# FARM SEEDS

Barley Wiscousin Pedigree Barley. Our stock is grown for us in Wisconsin where it originated, and after careful selection we think we have the truest and most uniform stock ever produced. Heads are unusually large and long; grains plump and brighter than any other variety. Write for prices.

Beans
under to improve wornout soil. Excellent also as ensilage and green fodder, being rich in protein. Thrives during hot and dry weather. Sow in June at the rate of 30 lbs. per acre, in drills 30 inches apart.

Hollybrook Early Yellow. Makes a quicker growth and matures its crop 2 to 3 weeks earlier than Mammoth Yellow Soja. Erect growing. Write for prices.

Buckwheat

Easily grown either as a green manure crop, for bee pasture, or for grain. Sow after June 15th, using 50 to 60 lbs. per acre.

Japanese. The most desirable variety. It is of much stronger growth than the common Buckwheat and the kernels are fully twice the size.

Silver Hull. The seed is light gray color, varying slightly in shape. Prices on application.

Broom Corn Improved Evergreen. The most popular variety of Broom Corn grown for market. The brush is of good length and retains the light green color when properly cured; shows almost no red color. Lb., 15c; 5 lbs., 50c; 15 lbs., \$1.20; 50 lbs.,

Millet

One of the most important "catch" forage crops that can be grown. Is palatable to stock, nutritious, grows quickly, crops heavily, and is much in favor among dairymen. Thrives best on a deep, rich, warm soil.

Golden, or German. We have found the Southern grown Golden Millet far superior in quality and yield to the Northern grown seed and will produce an enormous yield of nutritious food. Sow in May or June, 50 lbs. to the acre. Lb., 15c; 5 lbs., 50c; 15 lbs., \$1.25; 50 lbs., \$2.25. \$3.50.

Hungarian (Panicum Germanicum). It is one of the very best plants for green fodder or for ensilage; makes hay of the best quality. Sow broadcast about 50 lbs. to the acre. Lb., 15c; 5 lbs., 50c; 15 lbs., \$1.25;

Japanese Barnyard Grass (Panicum Crus-galli). May be sown from the middle of May to the first of July. Is distinct from other varieties. Grows from 6 to 8 feet high. Twenty-five pounds will sow an acre. Lb., 15c; 5 lbs., 40c; 15 lbs., \$1.05; 50 lbs., \$2.75.

Canada Field. For milch cows. Also makes ensilage of fine quality. Usually sown broadcast and harrowed in at the rate of 150 lbs., per acre. Lb., 15c; 5 lbs., 50c; 15 lbs., \$1.35; 50 lbs., \$4.00.

ow Peas. Cut green they make excellent hay, then the stubble with the new growth may be turned under as fertilizer. Price, on the two most popular Southern Black varieties, on application.

Whip-Poor-Will. Light brown, speckled dark brown.

Rye spring. For a catch crop this is best for sowing in the spring. Does not yield as large a crop of Rye. Sow 60 to 90 lbs. per acre. Lb., 15c; 5 lbs, 50c; 15 lbs., \$1.20; 50 lbs., \$3.50.

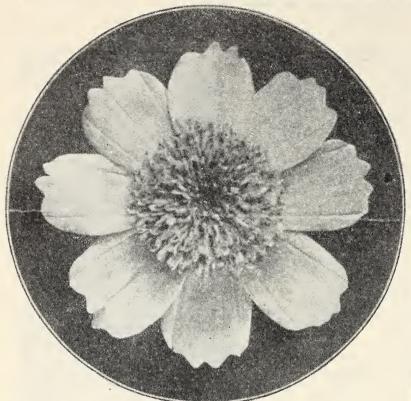
Winter (Rosen type). This should be sown in the fall early enough to get a start and will stand our New England winters. Ready for delivery in July. Lb., 10c; 5 lbs., 35c; 15 lbs., 75c; 50 lbs., \$2.20.

Sugar Cane or Sorghum, Early Amber. Valuable for the large amount of foliage, green fodder, it produces and for its grain. Ripens wherever Indian Corn matures. Lb., 15e; 5 lbs., 60c.

Winter, or Hairy Vetch (Vicia villosa). Sand or Hairy Vetch is becoming more popular with those who wish to grow more forage, for it is especially adapted as a soil fertilizer. It succeeds and produces a good crop on poor, sandy soil, and is perfectly hardy. Sow from July to November, broadcast at the rate of from 20 to 30 lbs. to the acre, with one bushel of oats or rye, for either will assist in holding the Vetches off the ground, allowing a better growth and earlier harvesting. If sown alone, 30 to 40 lbs, per acre should be used. Lb., 25c.

# **NOVELTIES AND** SPECIALTIES IN Flower Seeds For 1925

For General List of Flower Seeds, see pages 36 to 47



# Four Fine Asters

Heart of France. The best pure red Aster ever introduced. Heart of France opens red as a ruby, deepens with age and retains its remarkable beauty to the very end. The petals appear strikingly changeable, showing a glow and sheen quite unique. The flowers are large and full with no trace of a hollow center; the plants are of branching type and very robust; stems long and strong. Pkt., 20c; ½ oz., 40c; ½ oz., 75c.

Giant Branching, vigorous growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large. Pkt., 20c; ½ oz., 40c; ½ oz., 75c. Violet King.

oz., 75c.

New White Perfection. A distinct race of upright asters. Flower of branching type, but very strongly whorled, making the center very well covered, so well that it is almost impossible to grow this aster with yellow center. Flower large snow white, stems long, plant very robust. The full double form of the flower makes a very shy production of seed, hence the following high prices. Pkt., 15c; ½ oz., 35c; ¼ oz., 60c.

Pink Enchantress. Flowers soft delicate pink; always full double, petals of medium length and very broad. Plant upright in habit; stems long, strong and graceful. Mid-season. Pkt., 15c; ½ oz., 50c; ¼ oz., 85c.

One packet of above Fine Asters for only 50c

# **COSMOS**

#### Extra Early Double Crested or Anemone Flowered

We have now succeeded in producing an extra early strain of the Double Crested which are just as beautiful as the late and come into flower as early as the Extra Early Singles.

		⅓ oz.
Crimson King	20c	75c
White Queen		75c
Malmaison Pink	20c	75c
Finest Mixed		65c

#### POPPY

American Legion. This new single Shirley poppy is a dazzling orange-scarlet of enormous size, borne on long, stout stems. The plants are of very erect robust growth and the flowers are wonderful keepers when cut in bud. A bunch was a beautiful sight for several days when put in water after a four-day trip from California in an ordinary box without the benefit of refrigeration. Pkt., 15c; oz., 80c.

Sunbeams. This is the result of a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, maize and other tints. The blooms keep well in water which makes it a fine cut flower for baskets or vases. Pkt., 35c.

Nudicaule New Art Shades. A charming collection of colors in the Iceland Poppy family, including apricot, burnt orange and lovely pink shades. Pkt., 25c.

HELIANTHUS (Sunflower)

Angustifolius (Autumn Glory). A magnificent fall flower; plants stand 5 to 7 feet and burst into a solid bloom of the clearest and richest golden yellow, somewhat like the Golden Glow but still more showy in late fall and continues long after frost. Blooms from seed the first year. If you like yellow in the garden, be sure and try this. Pkt., 15c; 2 pkts., for 25c.

#### HELIOTROPE

Madam Bruant. Heliotropes grow readily from seed and flower all summer. This is a dwarf growing variety with violet blue flowers with white eyes. Very distinct, good for bedding. Pkt., 25c.

# YELLOW COSMOS (Klondyke)

Golden yellow flowers borne on long stems, and measures from 2½ to 3½ inches across. To get this variety in bloom before frost in the states north of Virginia it should be grown in pots or boxes, so that the roots are confined, thus throwing it into flower. Pkt., 15c; 2 pkts., 25c.

# Chinese Woolflower

(CELOSIA CHILDSI)

This unique type of Celosia plumosa forms large globular heads like balls of wool or chenille, which looks as if made out of some silky material. The plants 2 to 3 feet is beight beneath rocky as the terial. The plants 2 to 3 feet in height, branch freely, each branch terminating with a flower head. It continues to flower from early summer until frost, and is very effective for gardens, either massed or grown as individuals. Valuable for cutting as they retain their bright color for weeks. Crimson, Pkt., 15c; Pink, Pkt., 15c; Mixed, Pkt., 15c.

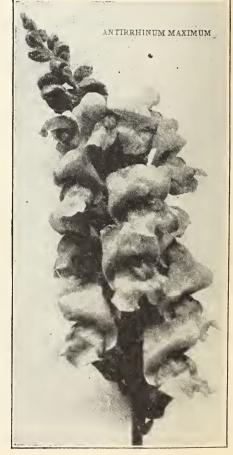
# Antirrhinum Maximum

This wonderful new group This wonderful new group of Snapdragons far surpasses anything yet introduced. In habit they are slightly taller than the Majus group. The flowers are of magnificent size closely placed on the spike. The group as a whole is slightly variable in size and color. All at 20c per pkt. One pkt. of each color for 60c.

Bunch of Lilac, lilacy purple. Diamond, golden yellow, lilac

Golden Queen, deep yellow. Purple King, deep glowing purple.

Maximum Mixed.



# New Early Beauty Aster

This new strain of the popular Beauty Aster is as early as Crego, and thus has a distinct advantage over the original Beauty Aster, which was too late for many locations. We recommend this new early strain for the most critical lovers of Asters. The blooms are magnificent in size, and the long stems are very useful. It is a wonder for continuous blooming. We offer the following most effective colors:

Pkt.	Pkt.
Carmine Rose20c	Rose20c
Lavender20c	September Beauty20c
Purple20c	Finest Mixed 20c
One packet each	color for 75c

# Orange King Calendula

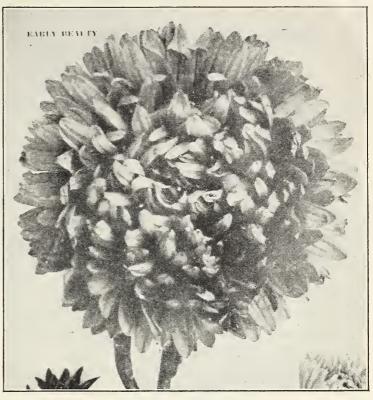
Ball's Greenhouse Strain. This is an exceptionally fine Calendula for forcing. Color orange with a light center; long stems with very large uniformly double flowers. A very select strain grown for us with the greatest of care for our customers. The plants in the open ground under ordinary field cultivation attain a growth of eighteen inches high and produce blossoms three and a half inches in diameter. What they will do under intensive hothouse culture can be left to the imagination. Pkt., 20c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

# New Antirrhinum (Snapdragon)

Katherine Morse. A new color and form of flower in Antirrhinum. The color is soft tones of old rose and yellow. The tube is soft old rose and face of flower yellow suffused with old rose. The top of the flower is beautifully waved. Pkt., 15c.



New Double Cosmos



Early Beauty Aster

# Candytuft

Giant Hyacinth Flowered White Extra Select. A very select strain worked up from a single plant selection made in 1916. This parent plant threw ten perfect spikes, but the average from the offspring is six and seven. We believe this to be the finest strain of this variety offered. Pkt., 15c; 2 for 25c.

# Late Double Cosmos

Some years ago when this new Cosmos was first offered we considered it a notable addition to this beautiful family of easily grown annuals for cutting. We are pleased to announce, however, that, due to painstaking effort on the part of an American grower, this strain has been further improved upon, in size of flower, greater degree of doubleness, and general vigor of plant. Many of the flowers are entirely double, while others have an attractive collar which adds, we think, to its beauty. We offer three distinct colors, as well as a mixture of all three.

Double Pink. Beautiful rose-pink.

Double White. Pure glistening white.

Double Crimson. Rich rose-crimson.

Double Mixed. Mixtures of all three.

Per pkt., 15c;

% oz., 40c.

# Mammoth Flowering Stocks

Heatham Beauty. A magnificent recently developed variety of early-flowering Winter or Brompton Stocks, forming much-branched plants about 2 feet high and having numerous spikes of very large, double, delightfully fragrant flowers of a rich mauve color, shaded terra cotta. They are of special value as pot plants for greenhouse decoration and for cutting during the dull winter months; for this purpose seed should be sown from July to September. If sown in February or March will produce plants that will bloom out of doors from mid-summer till frost. Pkt., 15c; 2 pkts., 25c.

# Delphinium XXX Hybrids

For a number of years we have been carefully selecting Delphinium varieties with a view to making a mixture which would contain all the most beautiful shades of color obtainable in a perfect blend. Various formulas were tried out in our Experimental Grounds over a period of several years with the result that we now have a strain of Mixed Delphinium Hybrids on which we can put our highest mark of approval. Pkt., 20c; 2 pkts., 35c.

# Gaillardia Grandiflora "DAZZLER"

Few flowers rival the Gaillardia for making a gorgeous display in the garden and this fine new variety is an advance on all others of its class. Originating from Lady Rolleston it produces larger flowers with wider florets, often attaining a diameter of 4 to 5 inches. The color is a bright golden yellow with rich marcon-red center, the two tints bearing a well balanced and harmonious proportion to each other. The plant is vigorous, throwing up a profusion of long and erect flower stalks, which provide excellent material for cutting and are unsurpassable for table decoration. novelty comes very nearly true from seed. Pkt., 25c; 3 pkts., 60c.



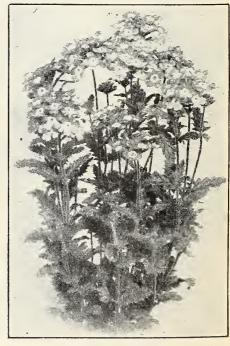
Gaillardia Grandiflora "Dazzler"

# New Hollyhock "QUEEN OF SHEBA"

A unique color in the highly perfected class of Chater's Double Holly-hocks. The very double and finely formed flowers of this superb variety are of a beautiful primrose-buff hue with rosy reflections, a lovely and most effective coloring and a great acquisition to the varied range already existing in this stately and highly decorative species. Pkt., 15c; 2 for 25c.

# "Royal Bouquet" Verbena

Wonderful as the Verbena is as a decorative plant for summer bedding, its usefulness has always been limited by its carpet-like spreading habit, and gardeners have long desired to have the plant in a compact and upright growing form. This New Variety forms a plant 15 to 18 inches high and not more than 10 inches across, no lateral branches being thrown out, and what gives this novelty its special value is the fact that the flowers will compare in size and variety of color with those of the finest strains of Auricula-eyed Verbena. Suitable fcr growing in pots. Mixed Colors. In packets only, 25c.



New Verbena, "Royal Bouquet"



# ZINNIAS

# Giant Dahlia Flowered

We are pleased to be able to offer this Zinnia in The plants are of the separate colors this year. same vigorous habit as our Giant Double-flowering varieties listed on this page. They attain the height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the Decorative Dahlia. We consider them a fitting companion to our strain of Giant Doubleflowering Zinnias.

We offer 12 of the most wanted colors, separately, as well as a splendid mixture of many colors, as below:

Exquisite. Truly DAHLIA flowered as regards form and size. Color light rose with center a deep rose.

Old Rose. This is adequately described by its name, as it is of the real Old Rose Shade; it is large, and for charm and beauty we consider it ranks next to Exquisite. Exquisite.

Illumination. Similar to Exquisite, but a striking self color of deep rose.

Golden State. A very rich orange yellow. Yellow in the bud, turning to an attractive orange when in full bloom.

Crimson Monarch. The largest and best of red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary

Scarlet Flame. A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.

eteor. A rich, glowing deep red and the darkest of all the red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds.

Oriole. We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the béautiful bird for which it is named.

**Dream.** A fine, deep lavender, turning to Mallow Purple, a new desirable shade in Zinnias.

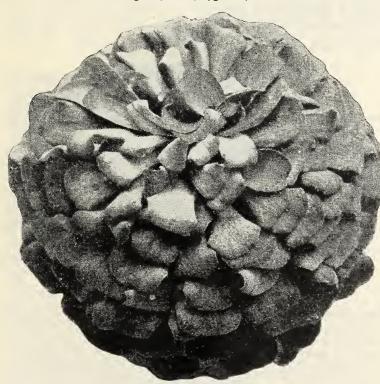
Polar Bear. A very large pure white, the best white yet seen in Zinnias. True Dahlia form.

Buttercup. An immense deep creamy yellow. A very desirable flower, which should be included in every collection.

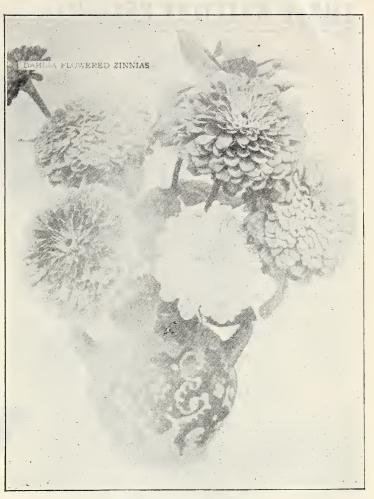
Cauary Bird. A delicate shade of primrose—very large and holds its color well until out of bloom.

Special Mixture. A well blended mixture containing the above novelties.

Per pkt., 20c; ¼ oz., 75c.



Giant Double Zinnia



Dahlia-Flowered Zinnias

# Two Special Zinnias

Giant Double Quilled Achievement. The petals are iant Double Quilled Achievement. The petals are partially tubular or quilled, giving the flower somewhat the appearance of a cactus dahlia and displaying a rich variety of colors mostly of the warmer shades, such as, salmon, old rose, deep rose, lilac, bronze and dark red tones. On the reverse side the petals are light or dark lilac, making a wonderful combination of colors. The plants are of strong, robust growth and produce an abundance of very large, double flowers often 5 inches in diameter. Pkt., 25c. For Colossal sorts, pkt., 15c; 44 oz., 60c; oz., \$2.00.

ant Picotee. A remarkable new and distinct class with beautiful double flowers in orange, flesh, lemon, Giant Picotee. pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations. **Pkt.**, **15e**; **2 pkts.**, **25e**.

# Johnson's Double Giant Zinnias

Our special strain of this grand old free and continuous flowering annual produces flowers of colossal size, specimens measuring from 5 to 6 inches across being not unusual. Plants are of extremely robust habit, attaining a height of 3 feet and bearing on long stems numerous semi-globular, mostly very double flowers, all of the largest size, making them of great value in large beds, borders, etc.; grown under favorable conditions they remain in bloom from early summer to late autumn.

We offer 10 of the most wanted colors, separately, as well as a splendid mixture of many colors, as below:

Below.			
		Pkt.	$\frac{1}{4}$ oz.
Giant Golden Yellow		. \$0.15	\$9.40
Giant Scarlet		15	.40
Giant Burnt Orange		15	.40
Giant Salmon		15	.40
Giant Flesh		15	.40
Giant Sulphur Yellow		15	.40
Giant White		15	.40
Giant Violet		15	.40
Giant Purple			
Giant Crimson			.40
Collection of a packet of each of the	ab.	ove 10	colors
for \$1.10.			

one pkt, each of 5 varieties your selection for 60c. Giant Mixed. All colors. Pkt., 10c; ¼ oz., 35c; oz.,

# THREE BALCONY PETUNIAS

These three varieties, which we offer here this year in order to give them wider prominence, are a select type of the plain edged Petunia which by reason of the habit of the plant is well adapted for window-box culture. The plants are symmetrically formed, grow about 1 foot high, and the flowers are rich and pure, measuring 3 inches across. We offer them in three distinct colors: Balcony Blue, Balcony Rose and Balcony White. Mixture of all three. Each pkt., 20c; 3 pkts., 50c.

# DIANTHUS

(Sweet William)

Johnson's Giants. The range of color includes shades which are not to be found in other strains, and the peculiar and delicate marking on the flowers are most attractive.

Johnson's Giants are a great improvement on the old-fashioned kinds, inasmuch as the colors and size or flower are far superior, being grown from selected seed. Sweet Williams look well in solid beds of mosses and require a good, rich well manured soil to grow them to perfection, excellent border plants and fine for cut flowers. Plants grow 18 to 24 inches high. Pkt., 15c; 2 pkts., 25c.

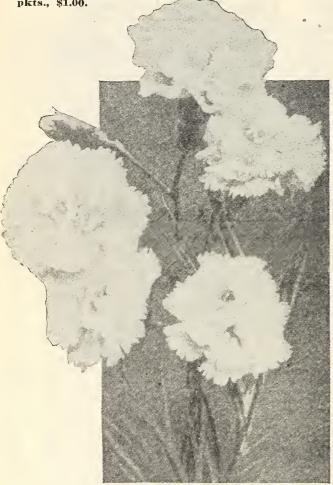
Dentosus Hybrids. An exceedingly effective strain of alpine Pinks of hybrid origin, neat tufted habit, producing their gaudy flowers in the greatest profusion throughout the summer and autumn

nabit, producing their gaudy nowers in the greatest profusion throughout the summer and autumn months. Flowers are large and exceedingly varied, from snow-white to the deepest crimson, splashed, spotted and fringed in the most fantastic manner. Totally distinct from anything yet seen in this family. Pkt., 25c.

# LILIUM REGALE

(The Regal Lily)

It is absolutely hardy, and is excellent for forcing. It has been predicted that this will become the Easter Lily of the future, and being so hardy, may be grown at home. The flowers are white, slightly suffused with pink, with a beautiful shade of canary yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most lilies. Blooms out of doors early in July, and seedling bulbs will flower the second year. Pkt., (35 seed), 25c; 5 pkts., \$1.00.



New Perpetual-Flowering Hardy Pinks (Dianthus Allwoodi)



Balcony Petunias

# **NEW PERPETUAL-FLOWERING** HARDY PINKS

(Dianthus Allwoodi)

We have offered plants of this beautiful strain of Hardy Pinks for several years, and are again able to offer the seed, our supply of which comes to us direct from the introducer, a noted English specialist. It is expected that the seed will produce an average of 75% double, deliciously clove-scented flowers in many colors. They are perfectly hardy, and flower continuously from spring until late in the autumn. Pkt., 35c; 3 pkts., \$1.00.

# **NEW PETUNIAS**

#### Large Flowering

Dwarf California Giants. The habit of the plant is very dwarf, flowers very large and of the finest substance, very fine range of color. Pkt. 30c.

Copper Rose. Enormous flowers of wonderful color with a deep white throat, deeply veined—a shade that attracts and holds your attention. The substance of the petals is firm with a velvety surface. Free flowering, but shy seeder. Pkt., 30c.

Pink Glory. The color is pure flame rose pink without a trace of purple. The flowers measure 3 to 4 inches in diameter and are slightly ruffled. The plants grow compact to a height of 12 to 15 inches and are continually covered with flowers. Excellent for bedding. Pkt., 30c.

Romany Lass. One of the finest introductions of recent years. The flowers are of the large Fluffy Ruffle type. The color is a clear bright velvety blood red with purple throat, striped in black. Pkt., 30c.

#### Small Flowering

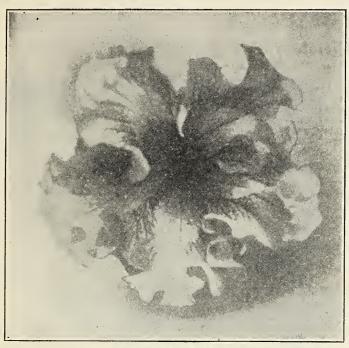
Blue Bird (Nana Erecta Violacea). A fine companion to Rosy Morn, same habit and freedom of bloom. Color steel blue, splendid for borders, pots or window boxes. The best small-flowered blue, compact Petunia to date. Pkt., 25c.

Rose of Heaven. Color rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn, a compact grower, very free blooming, the flowers cover the foliage. Unexcelled for pots, window boxes and bedding—a truly wonderful acquisition. Pkt., 25c.

# **NEW SWEET PEA**

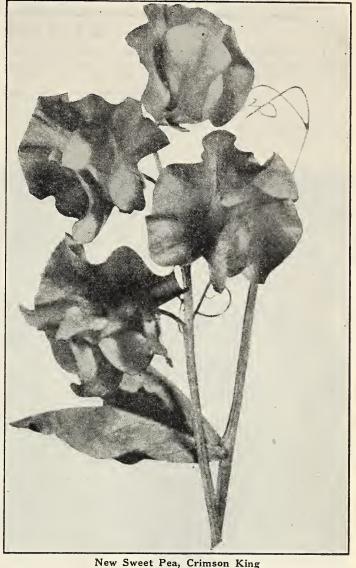
# New Crimson King Sweet Pea

New Crimson King is unquestionably the finest self colored Crimson Sweet Pea ever introduced. The strong growing vines produce freely the very long stemmed sprays of four fine large blossoms. The color is a solid, rich, deep crimson throughout, becoming richer in the throat. The texture of the petals is thick and the opaque effect most pronounced. The flowers are very large, of grand form, and are borne on stout stems. In packets only, (25 seeds) 15c; 2 pkts., 25c.



# **PETUNIA**

Special Ruffled Giants. Our wonderful strain of Ruffled Giants should not be confused with the strains sent out by other growers under this name. The flowers are of immense size, beautifully ruffled and have been rogued down to color and form by a famous Petunia specialist. We make the assertion that there is not a finer strain of this famous Petunia in existence. Pkt., 35c.



# TWO FINE NEW SALVIAS

#### America or Globe of Fire



A new variety of this popular flower. The bushy plants of this New Salvia do not grow over 15 inches high, although, with the large spikes of brilliant scarlet flowers thrown well above the plant, it attains a total height of about 2 feet. If desired for borders or beds, this is indeed an acquisition on account of its uniformity of height. A continuous bloomer. Pkt., 25c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

# New Bouquet Rose Salvia

The outstanding feature of this New Bouquet Rose Salvia is its marvelous evenness of growth. A row of it looks like a well trimmed hedge and is undoubtedly the earliest, freest and most continuous bloomer of all, and, what is still more important, the most uniform in habit of growth; the bushy plants do not grow over 15 inches high, with flowers of the most pleasing rose pink thrown well above the plant, making a total height of about 2 feet. It flowers from very close to the ground to a height of 2 feet. This feature will be appreciated by those who use it for beds or borders. Pkt., 20c; 6 pkts., \$1.00.

Bouquet Rose Salvia

# Johnson's Selected Flower Seeds

# GENERAL LIST

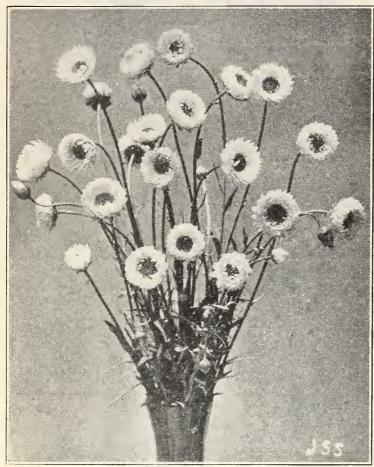
In the following pages we offer a carefully selected list of Flower Seeds, in which no want of the flower-garden has been overlooked, the numerous varieties insuring a wide range of color, form, height, habit and season, thus permitting selection for any and every ornamental purpose.

#### ALL FLOWER SEEDS ARE SENT POSTPAID AT PRICES GIVEN

The following abbreviations are used in our Flower list.

A.—Annuals. H. H. A.—Half Hardy Annuals. H. A.—Hardy Annuals. B.—Biennials.

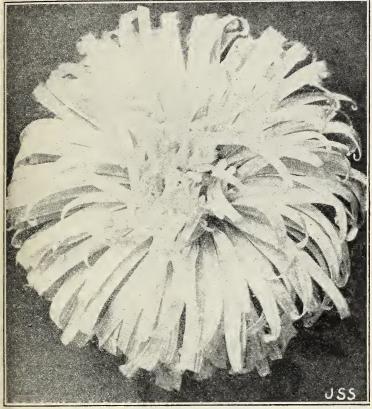
H. B.—Hardy Biennials. P.—Perennials. H. P.—Hardy Perennials. H. H. P.—Half Hardy Perennials.



Control Charles	
Acroclinium	
Abutilon (Flowering Maple). Tender perennial shrub of easy culture. Finest Mixed	Pkt.
Achillea (Sneezewort or Milfoil). H. P. Double. Daisy-like flowers; blooms from June till	\$0.15
October.  The Pearl. Pure white, 2½ ft % oz., \$1.00	.15
Aconitum (Monkshood). H. P. Long spikes of helmet-shaped flowers; excellent for	
shady locations.         Finest Mixed. 3 ft	$.10 \\ .10 \\ .10$
Acroclinium (Everlastina). H A Extensively used as a dried flower for house decoration. They should be gathered before fully	
open and tops hung downward to dry. <b>Double Mixed.</b> 1 ft	.10 .10
Adonis	
Estivalis (Flos Adonis). H. A. Deep green foliage and scarlet flowers	.10
Autumnalis (Pheasant's Eye). H. A. Flowers Crimson, dark center, 1 ft	.10
flowers, blooming early in May	.10

	H H A Flowers forming in heads	
	<b>Ageratum</b> H. H. A. Flowers forming in heads and blooming continuously all summer. Valuable for borders and edgings.	
		Pkt.
	Mexicanum. Light blue, 18 in 75c	\$0.10
	Blue Perfection. Dark blue, 18 inOz., \$1.25	.10
	Dwarf Imperial. White	.05
	Dwarf Imperial Blue. Deep blue	.05
	Little Dorrit. Azure blue	.20
	Agrostemma Free-flowering, with attractive bright colors, on long slender	.10
	bright colors, on long slender	
	stems like a single pink. Cœli-rosa (Rose of Heaven). H. H. Bright rose.	
	18 inOz., 50c	.10
	Flos-Jovis (Jove Flowers). H. P. Bright pink.	.10
	18 in	.10
	Aloysia (Lemon-scented Verbena). G. P. Fragrant foliage; useful for bouquets.	
	Citriodora. 2 ft	.10
		.10
	Alyssum, Sweet H. A. One of the best known annuals; used extensively for	
	annuals; used extensively for	
	bordering and edging, also valuable for cutting. Flowers from early summer till late fall.	
	Benthami (Sweet Alyssum). Fragrant 10 in	
	4 oz., \$1.00; oz., 35c	.05
	Little Gem. Dwarf white. 4 inOz., 75c	.10
	"Little Dorrit." The most dwarf variety, forming	
	a perfect little bush, with miniature white rocket	
	flowers; a perfect gem for edgingOz., \$1.25	.10
	Carpet of Snow. (Procumbens.) Pure white, very dwarf and sweet. 4 in	.10
	Lilac Queen. Beautiful lavender lilac color	.10
		.10
	HARDY ALYSSUM	
	Saxatile Compactum (Gold Dust). H. P. Yellow.	
998	9 in. Excellent for bordering perennial gar-	7.0
200000	dens	.10
2010000	A al	
5000	Amaranthus	
	Caudatus (Love-Lies-Bleeding). Crimson	.05
	Cruentus (Prince's Feather). Dark red	.05
	Finest Mixed	.05
	A	
	Ammobium	
	(Winged Everlasting).	
	Alatum Grandiflorum. A very attractive annual	
	everlasting; flowers are silvery white with yellow disc; grows best in light soil. 2 ft4oz., 20c	.10
		.10
	Ampelopsis	
	Veitchi (Boston Ivy). A very elegant hardy vire, attaching itself to stone, brick or woodwork.	
	Oz., 50c	.10
		,,,,
	Anchusa	
	"Dropmore Variety." One of the best blue perennials. H. P. The bright blue Forget-Me-Not-like	
	flowered and horne on areastal atoma during the	
	entire season and very late into the Fall. 4 to	0.0
	entire season and very late into the Fall. 4 to 5 ft	.20
	tiful border plant with branched heads of azure	
	tiful border plant with branched heads of azure blue with white eye. If sown in April will be in bloom by July. 2 ft	1.0
	broom by July. 2 It	.10
	Anemone H. P. One of the most beautiful nerennials having a great variety of	
	perennials, having a great variety of	
	color and flowering in May and June. Coronaria (Wind Flower). Mixed. 9 in 1/8 oz., 20c	.19
	St. Brigid (Irish Anemone). Extra large. 9 in	
	in	.15

# Antirrhinum (Snapdragon). Aquilegia (Columbine) Aquilegia (Columbine) Long-Spurred Hybrids. A beautiful strain, comprising shades and combinations of blue, white, yellow, orange, orange-scarlet and bright rosepink, in large flowers with long spurs. 2 pkts. 25c Caerulea. (Rocky Mountain Columbine). Flowers large, petals white, sepals deep blue, spurs very long; one of the most beautiful...... 1/2 oz., 50c Vulgaris. The common European Columbine, flowers rich violet blue. A strong and casy grower.



Crego's Giant Comet Aster

Crego's Giant Comet Asters

We consider this the finest and largest of all Comet Asters, hearing immense fluffy flowers five inches and over in diameter, a; fine as any Chrysenthemum, and when cut keep in good condition longer than any other of this type. We offer five colors, viz.

	'Kt.
White. Pure white\$6	0.15
Pink. Delicate shell-pink	.15
Purple. Bright purple	
Rose. Rich deep rose	
Lavender. Deep lavender	
Collection of a packet each of the 5 colors, 60c.	
Crego's Mixed. All colors, 15c per pkt.; 60c per 14	OZ
, por por por ,	02.

Beauty Asters

A recently developed late flowering strain coming into bloom in late September, and being at their best through October, the plants grow nearly 3 feet high, and bear their very large, densely double flowers on long, strong stems. We offer four beautiful colors.

American Beanty. Bright cerise-rose.

Lavender Beauty. Soft lavender.

Purple Beauty. Belicate shell-pink.

Price: 15c per pkt.; a pkt. each of the 4 colors, 50c.

New Red Aster "Sensation"

This is the reddest of all Red Asters, the color being a

This is the reddest of all Red Asters, the color being a rich garnet or ox-blood red, which glistens in the sunshine like a live coal. The plants are of free-branching habit, about 18 inches high; the very double flowers averaging 3½ inches across are borne freely on stems a foot long from early in August till the close of September. The intense color shows up well when cut, and makes a very brilliant bit of color in a bed or border. 15c per pkt; 2 pkts., 25c.

Arabis (Rock Cress). H. P. Alpine trailing plant. Flowers borne on erect spikes, pure white and blooming very early. Useful in sunny rockeries and well drained borders.  Alphina. 9 in	.10
Arcototis H. A. Daisy-like flowers, pure white with light blue center, often 3 inches across.  Grandis. 2½ ft	.10
Armeria (Thrift, or Sea Pink). H. P. Pretty little plants for borders.  Formosa. Deep rose; double. 6 in  Formosa alba. Pure white; double. 6 in	.05 .05
Asparagus Very graceful plants extensively grown for cutting, the foliage being used in all designs, bouquets, etc.  Plumosus Nanus50 seeds, 55c; 100 seeds, \$1.00 Sprengeri50 seeds, 30c; 100 seeds, 50c	.25 .10

# **ASTERS**

For early flowering the seed should be started in the house, hotbed or cold-frame in April, transferring them to their flowering quarters as soon as danger from frost is past. For August and later flowering it is just as well to sow them in the open in May, preferably in a prepared seed bed, transplanting them when two or three inches high to where they are to bloom, although they may be sown where they are to flower with equally as good results.

We make a great specialty of this popular flower, securing our stocks from the most skillful growers only, and we confidently recommend them. Aster Plants are ready in June.

## Semple's Branching Asters

These are especially valuable for cut flowers, because of their handsome flowers and long stems. They bloom two to three weeks later than most sorts. We offer them in eight separate colors, Pure White, Crimson, Lavender, Peach Blossom, Shell Pink, Bright Pink, Rose, and Dark Purple.

#### Royal Asters

A new class of American Aster. Its habit of growth the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer. We offer the following colors: White, Shell Pink, Rose Pink,

**Separate Colors......** ½ oz., 35c; ¼ oz., 65c. \$0.10 

# Ostrich Plume

The finest type of the Giant Comet or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut flowers par excellence. We offer the following colors: White, Delicate Pink, Dark Blue, Light Blue, Crimson.

Crimson. Separate Pkt. Colors .. ½ oz., 35c. \$0.10 Finest Mixed .. ½ oz., 30c. .10

# Lavender Gem

One of the most beautiful Asters. It beautiful Asters. It is of true Comet type, with large, artistic loosely-arranged flowers on long. Wirv stems and of the most charming shades of lavender imaginable Begins bloomable. Begins bloom-ing in July, continuing through August: a lovely variety for cutting.

Finest Mixed.. \$0.15



Semples Branching



Improved Victoria Aster

# Improved American Victoria Asters

(Daybreak)

This is by far the finest of all Asters for beds or borders where an even growth and a mass of flowers are wanted for effect; the sturdy upright plants, 12 to 14 inches high, carry not less than 50 flowers each, producing a mass of color unequalled by any other; blooms from early August till late October. (See cut.)

	PKt.
Daybreak. Delicate La France pink	\$0.15
Purity. Purest white	.15
Pale Lavender. A delicate shade	.15
Rose-pink. Rose, shading to blush-pink	.15
Salmon-pink. Rich salmon-pink, exquisite	.15
Azurea. Rich, deep lavender-blue	.15
Collection of a packet each of the above 6 colors	.60
Choicest Mixed. All colors	.10

# Hardy Perennial Aster

Mixed (Michaelmas		
hardy herbaceous		
garden soil. If so		
first season; 3 feet	t	$\dots \frac{1}{4}$ oz., $50c$ .10

Balloon	Vine	(Love Climber	in a	Puff).	H. ver; fl	H. A. owers
white; se						
Seed sho	uld be so	wn in I	March	and pla	inted i	in the
open, lat	ter part	of May	or J	Tune in	sunny	loca-
tion.		_				

tion.	fatter part of may or sume in summy roca	
White.	7 feet	.10

#### BABY'S BREATH. (See Gypsophila.)

alsam (Lady Slipper). H. H. A. Plants of pyramidal growth bearing rose-like flowers which cover the whole plant; flowers profusely all Summer. In soil well fertilized excellent results will be obtained. 2 feet.

Double	Prize Winner	r Mixture	¼	οz.,	60c	.10
Double	Camellia Flor	vered—Fines	t Mixed . ¼	0z.,	50c	.10
Double	Rose-Flower	d-Finest M	ixed 1/4	07	20c	.10

#### Climber Flowers from July to ber. Very ornamental, thriving H. A. Bean September. in any ordinary soil.

scarlet Kunner.	8 reet.			.10
White Runner.	8 feet			.10
Butterfly Runner	. Large.	pink	and white blossoms.	.10

# Queen of the Market Asters

This variety is about two weeks earlier than most other sorts. The flowers are quite large, very double, and are valuable for cut flower purposes. The following are the most distinct colors: Pure White, Blush Pink, Bright Pink, Rose, Dark Blue, Lavender, Light Blue and Crimson.

# King Asters

Of the late branching type. Bloom round, full and very large, and of a soft violet shade; stems long and stiff. August and September. 2 to 2½

Lavender King. Soft lavender blue.

Pink King. An attractive delicate shell pink.

Rose King. A beautiful brilliant rose variety.

Violet King. A pleasing soft shade of violet.

White King. Pure white Crimson King
Finest Mixed 

### Johnson's "Peerless Pink" Aster

# Imperial or Mikado Asters

Similar to the Crego's Giant but dwarfer in growth, and comes into bloom fully two weeks earlier. Height about 18 inches, of branching habit, and the flowers, borne on long, strong stems, are of colossal size, 5 to 6 inches across being the rule. Mikado Pink or Rochester.

Mikado White. Of purest glistening white.

Mikado Mixed

#### Astermum Asters

A strain of Comet Asters which, on account of their size and Chrysanthemum-like appearance, have appropriately been named Astermums. The plants grow about 2 feet high, and come into bloom a little earlier than the Crego's Giant. We offer three fine colors, as under:

Lavender. A rich shade of lavender or light violet.

Pink. A very attractive shade of lively rose-pink.

White. Purest snow-white

A packet of each color for 35c.

#### China Asters

General Mixture. This mixture was saved from the many double flowering sorts grown the past sea-

Begonia (Ever-Blooming Bedding Varieties). They are of sturdy growth, growing about 1 foot high and forming dense bushes, which from May until frost, are completely hidden with flowers. As pot plants for winter flowering they are superb, remaining a sheet of bloom throughout the entire year. The seed being very fine, should be sown on top of box, pressed in soil not covered.

Gracillis rosea. Bright

Gracillis rosea. Bright rose color. Pkt., 25c Prima Donna. Flowers of a light rose, shading deeper toward center. Pkt., 25c.

Pink Beauty. Delicate pink with dark foliage. Pkt., 25c.

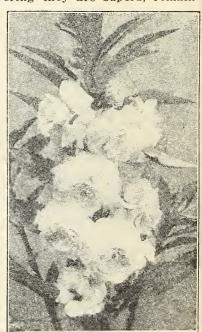
Luminosa. Large, bright, deep scarlet flowers; satiny brownish red foliage.

Pkt., 25c. lba. Pure white. Pkt., 25c. Alba.

Semperflorens Vernon. Scarlet flowers. Pkt., 25c.

Erfordii grandiflora
superba. Plants compact and bushy, have
glossy foliage and
are literally covered
with most delicate
pink flowers. Pkt.,
50c.

Erfordii rubra. New. Deep red. Pkt., 50c



Balsam (Lady Slipper)

Begonia TUBEROUS-ROOTED VARIETIES	?kt.
Single Tuberous-Rooted Mixed. Saved from finest exhibition varieties, all having large, well formed flowers of many brilliant shades of color	.50
Bellis Perennis (Double Daisy). H. P. These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and protected during the winter, and they will flower the following spring. If sown in the spring they will flower in the autumn 4 inches. Finest Mixed. Extra. 4 in	.10 .15 .15 .25 .15 .15
Boltonia (Falso Chamomile). H.P. This Asterlike hardy plant is useful for cutting, remaining in bloom a long time.  Latisquama. Delicate pink	
Brachycome (Swan River Daisy). A. Free-flowering, dwarf-growing annuals with pretty blue or white flowers 4 oz. 40c	.10
Browallia H. A. Excellent free-flowering, Verbena-like flowers. Flowering all Summer in the open, also excellent house plants for winter use. 18 in.  Elata Finest Mixed	.10 .15
Calceolaria Flowers borne in clusters of pocket- like lobes of various self colors and handsome spotted varieties. Especially adapted for house and greenhouse culture, making excel-	
for house and greenhouse culture, making excellent exhibition plants.  Johnson's Prize Mixed. 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. Is a very desirable flower. Bears a large profusion of small, pocket-shaped flowers, which are beautifully tigered or spotted, 300 seeds.  Rugosa Aurea, Rain of Gold. Golden shades for bedding.  Rugosa, Mixed. Includes nearly all the beautiful shades for bedding	.50 .25
Calendula (Pot Marigold). H.A. Large double flowers, blooming all summer, closing somewhat at night and opening slightly on cloudy days; flowers borne on long, stiff stems. 2 ft.	
Meteor. Large double yellow, each petal striped with orange	.05 .05 .05
Ball's Forcing. This new Orange Calendula represents a very great improvement in size, length of stem and fullness of flowers. It has exhibited these superior characteristics uniformly for the past 4 years. Oz. \$4.00; Trade pkt. of ¼ oz. \$1.25  Finest Mixed	.15
Calliopsis One of the most effective of our hardy annuals; very showy in open garden and excellent for cutting; flowers borne on individual stems 18 inches in length. 2 ft.  Golden Wave. (Drummondi.) Rich golden-yellow with small chestnut brown center; very free; 12 inches	4.0
Crimson King. A fine dwarf sort, 9 inches high, color rich velvety crimson-garnet	.10
of rich reddish-brown, tigered with golden yellow, not unlike some of the orchids	.10 .05



# Campanula

(Bellflower)

A family containing beautiful border plants, several varieties beautiful as potplants. Mainly hardy bien nials and perennials and perennials.

Pkt.

Canary Bird Vine

cut leaves and pretty, delicate flowers of a clear
canary-yellow. From the color of its blossoms
and also from a fancied resemblance of their
shape to a bird with wings expanded the plant
obtained its common name. Does well in the
shade

Candytuft H. A. Admirably adapted for borders. They come into flower early and bloom profusely for a long period. Very popular also for cutting. Our strains of Candytuft are the best obtainable.

Giant Hyacinth-Flowered White. 1 ft. A grand border plant, bearing very large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock Oz. 60c; ¼ oz. 20c Empress. Pure white, splendid cut flowers. ½ oz. 25c Crimson. Rich deep shade Oz. 40c Purple. 1 foot Oz. 40c Carminea. Carmine, 1 ft. Oz. 40c Carmea. Flesh colored, 1 ft. Oz. 40c White Fragrant. Flowers small, but sweetly scented Oz. A splendid mixture Oz. 25c Mixed Colors. A splendid mixture Oz. 25c

Orange King Calendula New Forcing Strain. We have perfected and now offer for sale a strain of Orange King that will give excellent satisfaction for forcing. Very large, fully double, rich color, averaging over 3 inches across, and throw no single flowers 4 oz. 40c; ½ oz. 70c; oz. \$1.25.



Calendula-New Forcing Orange King



Single Annual Chrysanthemum

Candytuft H. P. Plants very compact, blooming early in the spring; excellent for bordering perennial gardens.

PERENNIAL VARIETIES	⊇kt
Iberis (Hardy Candytuft). A beautiful perennial of trailing habit, covered with white flowers in spring	
Gibraltariea Hybrids. A dwarf, compact form, with purple and white flowers; 1 foot	.1
Canna Dwarf French Mixed. Dark leaved sorts,	.0
Cardinal Climber and rapid grower, attaining height of thirty feet or more, with a beautiful, deeply laciniated foliage, and literally covered with a blaze of circular fiery cardinal red flowers from mid-July till frost. The flowers are about 1½ inches in diameter, and are borne in clusters of 5 to 7 blooms each. ¼ oz. \$1.00	.1
Carnations These are general favorites for their richness of color and delighful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer	
Chabaud's Everblooming, Mixed. Blooms in five months after being sown, and continues to flower in the greatest profusion indefinitely\(\frac{1}{6}\) oz. 40c Choice Mixed. Double border varieties\(\frac{1}{6}\) oz. 40c	.2
MARGUERITE CARNATIONS  These are the most satisfactory of the annual pinks, and will bloom in for months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected they will survive an ordinary winter and bloom the following spring	
White       ½ 0z. 40c         Yellow       ½ 0z. 40c         Pink       ½ 0z. 40c         Scarlet       ½ 0z. 40c         Choice Mixed       Oz. \$1.50; ½ 0z. 25c	.1 .1 .1 .1
Celosia Plumosa (Feathered Cockscomb). Make fine plants for large beds or groups, and the plumes or flowers can be cut and	
dried for winter boquets. Should be treated exactly the same as cockscombs, described above.	
Thompson's Superb (Triomphe de l'Exposition). Of pyramidal growth, attaining a height of 3 feet, and producing graceful, feathery plumes of the most brilliant crimson	.1
Childsi (Woodflower). Bloom starts early with a center head, round and globular, which at times reaches the immense size of 2 feet in circumference. When in full bloom looks like an immense bouquet. Deep crimson scarlet. Plant 2 to 3 feet high	.1
Thompson's Magnifica. Similar to the preceding, but ranging in color from the clearest yellow to the darkest blood red	.1
Golden Plume. Bright golden yellow plumes 1/4 oz. 30c	.1
Plumosa, Mixed. Feathered varieties in all	•

Celosia Cristata (cocksomb). If beet in rather annuals, growing best in rather light soil not too rish; make ground border plants	
light soil, not too rich; make grand border plants and are attractive for pots. Seed can be sown under cover in early spring and planted out in May, or sown out of doors in May,	
under cover in early spring and planted out in May, or sown out of doors in May.	kt.
Empress. Rich crimson; combs of colossal propor-	0.10
Glasgow Prize. Immense, showy dark crimson combs	.10
Queen of the Dwarfs. This we consider the finest	
of the dwarf-growing Cockscombs. The plants grow only 8 inches high, beautiful dark 10se-	
combs	.10
Dwarf, Mixed. Fine dwarf varieties 4 oz. 35c	.10
Cerastium (Snow - In - Summer). Tomentosum, dwarf, white-leaved edging plant, bearing small white flowers;	
leaved edging plant, bearing small white flowers;	
hardy perennial	.15
Cheiranthus Allionii (Siberian Wallflower). A yery pretty biennial growing about	
12 inches high with heads of brilliant orange flowers from May to midsummer. Very effective	
flowers from May to midsummer. Very effective in the rockery. Usually blooms the first year from	
seed	.15
Chrysanthemum	
	0.5
Single Mixed. Annual. Large range of colors. Oz. 35c  Double Mixed Coronarium. Annual	.05
Hardy Pompou. A fine strain of the old-fashioned	
hardy fall-flowering sorts, with double button-like blossoms,	
Mixed Colors	.25
Pompon. The pretty, hardy dwarfs, with bright, clustered flowers, which brighten up the garden	
late in autumn. 1½ feet	.25
Contaires (Bachelor's Button, Cornflower, Blue	
Centaurea (Bachelor's Button, Cornflower, Blue Bottle or Ragged Sailor). One of the most popular of our garden annuals, blooming con-	
tinually all summer. Seed may be sown either in spring or autumn. Thrives well in poor soil; for best results plants should be thinned to 8 in.	
ANNUAL VARIETIES CYANUS—Single.	
Single.         Finest Mixed.         2 ft.         Oz.         35c           Deep Blue (Emperor William).         2 ft.         Oz.         40c           Rose.         Bright rose.         2 ft.         Oz.         35c	$05 \\ 05$
Rose. Bright rose, 2 ft	.05
CYANUS fl. pl. Double.  True Deep Blue	.10
White	.10
Rose Pink, Oz. 75c Double Finest Mixed Oz. 75c	.10 $.10$
IMPERIALIS (Royal Sweet Sultan). H.A. Flowers very fragrant, of immense size and great	
variety of colors.  Finest Mixed. 2 ft	.10
White 2 ft	.10
Brilliant Rose (Favorita). 2 ft	$.10 \\ .10$
White. 2 ft	$.10 \\ .10$
Collection of 5 Colors	.40
Candidissima (Dusty Miller). H. H. P. Silvery foliage being heavily clothed with a white downy	
covering. Used extensively for bordering and bas-	
kets. I ft	.15
age with silvery covering, choice. 1 ft. 14 oz. \$1.00	.10
Cineraria Hybrida G. A. Among the most useful and ornamental of	
plants that can be grown for hothouse or conservatory decoration. Sow seed from July to Septem-	
ber. Young plants require cool location and	
abundance of water, especially when in bloom	
<b>Kelway's Model.</b> Large-flowering prize strain. Unsurpassed for color and form. 1½ feet	.75
Hybrida Glandiflora. Seed saved only from the choicest specimens	.30
Half Dwarf Prize Mixed, Dwarf foliage: large flowers	.50
Stellata Mixed (Star Cineraria). A charming sort for house decoration	.25
WHITE-LEAVED CINERARIA (Dusty Miller).	
Maritima Candidissima (See Centaurea).  Claudia H. A. Flowers are borne along the woody	
Clarkia H. A. Flowers are borne along the woody stem. Plants attain a height of 15 inches; of branching habit and easy of cultivation.	
Elegans. Double. Finest Mixed 1/4 oz. 25c.	.10
Alba. Pure white Brilliant. Carmine	$.10 \\ .10$
Salmon Queen. Salmon pink. Scarlet. Orange scarlet	$.10 \\ .10$



Early Flowering Cosmos.

Cleome (Spider Plant). Biennial used as an annual, flowering the first season. Flowers are a delicate rose color. Seed should be sown in Gigantea Hybrida. Giant Hybrids in an assortment of colors, often 4 to 5 ft. in height.... 4 oz., 75c \$0.10 CLOVE PINKS. See Dianthus.

Cobæa H. A. One of the best annual climbers, attaining a height of 15 feet. Flowers bell-shaped, about 3 inches in diameter. Fine for piazza trellises and will grow indoors throughout the winter.

Coleus (Annual). Choice Hybrids. Our strain produces the finest colored, most attractive and novel foliage plants for house or garden culture. Easily raised. Sow indoors in March or April

Convolvulus (Morning Glory). Major or Tall annual climbers, growing about 15 feet in height and thriving in almost any situation.

Mixed. The ordinary variety. Oz. 20c.

Double Flowering. Mixed colors. Oz. 60c.

Imperial Japanese or Emperor Morning Glories are offered on page 43.

Cucumber, Wild A very quick grower for covering old trees, etc.

Cyclamen (Alpine Violet). Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

1 ft.
Giant Flowered Cyclamen. Mixed, extra choice. 10 seeds, 30c; 20 seeds. 50c; 100 seeds, \$2.00.

Cypress Vine A popular climber noted for dainty fern-like foliage and star-shaped flowers.
Finest Mixed .......Oz., 25c.

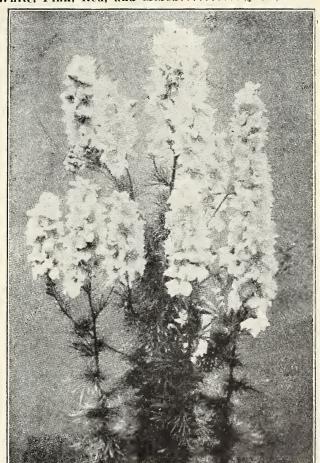
.15.10

.10

# COSMOS

This beautiful annual is one of the most showy and useful of our garden plants. Plants grow from four to six feet in height, and are very bushy and compact. Flowers borne on long stems and are similar to single Dahlias. Foliage very finely cut. Excellent for cutting. EARLY MAMMOTH FLOWERING. Bearing flowers, usually from four to five inches across, and blossoming sixty days from sowing the seed.

 $^{10}_{.10}$ .10



Delphinium.

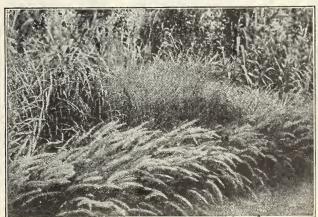
12 Hower beeds	Johnson a De	sed blore, 2155-00 Last 14min bi., Cicveland, Onto
Dictamnus (Dittany, or Gas Eleaves are thick and if rubbed effragrance.	Plant). H. P. ng spikes; the mit a pleasing Pkt.	HARDY GARDEN PINKS  Very desirable for beds, borders, cemetery planting etc. The flowers are highly prized for their spicy, refreshing odor.
Fraxinella. 3 feet. An old and beau ash-like foliage and large spikes purple veined flowers, excellent f feet	tiful plant with of deep pink, for cutting.	Plumarius Cyclops (Clove Pink). An exquisite mixture of colors
Digitalis (Foxglove). One of the spike like flowers of tubular shape. Plan partial shade and in almost any go attains a height of 4 feet.	ts will grow in	colors
Gloxinioides, Purple Gloxinioides, Rose. Bright, showy flow fusely on fine spikes Gloxiniaeflora, White. Pure white flo green foliage make a fine show Canariensis. A novel color, orange-b culture. Give slight shade and goo Choicest Mixed. Gloxinia-like flowers	wers borne pro 1/4 oz., 50c10 wers with dark 1/4 oz., 50c10 rown. Of easy d soil	
Dimorphotheca (African Golden : Aurantiaca. Glossy orange gold New Hybrids. White and yellow shat Dracaena (Dragon Plant). Indivisa. Beautiful ornamental-leave	¼ oz., 50c10 ades.¼ oz., 50c10	
narrow, green foliage; indispensable house decorations	e for vases and¼ oz., 35c10  rich coloring, and fringing of . renders them	
and all serviceable for cutting. The may be sown in autumn or spring. to every garden.	e Annual Pinks An adornment	Eschscholtzia—California Poppies.
China or Indian Pinks (Dianthus Chiering from early summer to fall; growers, suitable for beds and bovery double and in unlimited vaborne on long, stiff stems. Finest	nensis). Flow- strong, sturdy rders. Flowers riety of colors mixed	Eschscholtzia (California Poppy). One of the best annuals for bedding, having large, Poppy-like flowers varying in different shades of white and yellow. Foliage is very finely cut and the plants bloom from early summer till frost.
Japanese Pinks (D. Heddewigii and beautiful class of sturdy growing pinches high and of the same wid marbled and mottled flowers in colors; 2 inches and over in diamixed	varieties). A plants, 10 to 12 th: handsomely all imaginable tmeter. Finest	Californica. Yellow, orange center
Diadem Pinks. Very large, showy fully marked and flaked. Splendid	flowers, beauti- mixed 	Eupatorium (Thoroughwort). Ageratoides. 2 flowers; does well in shade
Royal Pink. A beautiful class for clarge and exceedingly fragrant, von long stems; colors range from and scarlet to blood red  Double Fireball. Brilliant scarlet; and floriferous vines; for massing.	ery double and white to rose, 4 oz., 50c10 very compact	Euphorbia Exceedingly ornamental foliage and inconspicuous flowers. Very effective in beds and borders. Prefers full sun, but will grow in rather poor soil.  Variegata (Snow on the Mountain). H. A. Fine for bordering, with its clusters of white flowers and
SINGLE ANNUAL PI Crimson Belle. Large, handsome, da Eastern Queen. Flowers marbled r	NKS rk red flowers 14 oz., 50c10	foliage variegated green and white. 24 inches
Single Royal Pink. Large flowers;	petals fringed and crimped. Blood red to w h i t e in color. Finest mixed	Flowers of eternal beauty, those that never fade. Unsurpassed for winter decoration, and when made into bouquets or arrayed in vases, they last for years. Should be cut and dried when in bud and blossom.  Acroclinium album fl. pl. Graceful; double, rose flowers; 1 foot
	"S a l m o n Queen." The well formed, n i c e l y- fringed flow-	Ammobium alatum grandiflorum. Clusters of pure white flowers. 2 feet
	ers are a brilliant sal-mon color changing into a sal-mon rose	About six colors. 1¼ feet
	when fading¼ oz., 50c .10  Vesuvius. Bril-	Xeranthemum annuum. Very nice for summer cutting or for winter bouquets. Double; white, rose, and purple. Mixed
	liant gera- nium red; makes a very effective bed or border 4 oz., 50c .10	Fern Spores Fine mixed greenhouse varieties2  Fuchsia Double and single varieties mixed. Saved from a prize collection5  FEVERFEW. See Matricaria. Page 44.
16/25 S	Single Pinks, Mixed 4 oz., 30c .10	FORGET-ME-NOT. See Myosotis.  FOUR O'CLOCK. See Marvel of Peru.  FOXGLOVE. See Digitalis.



Gaillardia (Blanket Flower). Very showy plants, used abundantly for borders and bedding, splendid for cut flowers. Seed should be started early and will flower continually until frost.

Picta, Single Mixed. Annual	0.05
PERENNIAL VARIETIES	
Grandiflora hybrida. Finest Mixed. Continual bloom-	
er; very showy and one of the most brilliant garden flowers. Fine for perennial borders. ¼ oz., 35c Amblyodon. Perennial. Rich blood red; very effec-	.10
tive	.10
Kelway's Exhibition Hybrids. Entirely distinct. A	
grand new and improved strain. Flowers of enormous size, borne on stout stems. Choicest mixed	.15
Geum H. P. Large, showy flowers in colors of scarlet and yellow. Fine herbaceous plants for shrubbery border.	
Coccineum. Much improved large flowered variety,	
bright scarlet flowers. 1 foot	.10
brightest scarlet color; an excellent variety	.15
Globe Amaranth (Gomphrena). H. A. Globe-shaped, everlasting flowers. When in full bloom should be cut and hung up to dry; will hold their color all winter.	
Finest Mixed. 2 feet	.05
Gloxinia Johnson's International Mixture. Magnificent house blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors.	.50
	,00
Godetia Succeeds best in poor soil. Very free blooming.	0.5
Finest Single Mixed Annuals         ¼ oz., 20c           Finest Double Mixed         ¼ oz., 25c	$.05 \\ .10$
Gourds (Ornamental). Besides the curious fruits, Gourds are desirable to cover walls,	
Gourds are desirable to cover walls,	
arbors, etc. Tender annual.  Small Varieties. Mixed	.05

Grevillea (Silk Oak).	Pkt.
Robusta. Fern-like foliage. A fine decorative plant	
for house and greenhouse; it may be easily grown from seed. 4 feet	0.10
Gypsophila (Baby's Breath). Graceful plants, with tiny flowers produced in abundance in loose panicles. Excellent for their deli-	
cate effect in bouquets.	
Paniculata fl. pl. An extremely vigorous race, producing about 50 per cent of perfectly double pure white flowers	.20
Elegaus Grandiflora Alba. Annual. An improved large-flowered white form	.05
Paniculata. This perennial variety is useful for cutting and a fine border plant. Branches may be used for winter bouquet. 3 feet	.05
Elegans Rosea. Soft pinkOz., 30c	.05
Muralis. 6 inches. A lovely little rock or edging plant with rose-pink flowers	.10
Heliotrope (Cherry Pie). Delightfully fragrant. Fine for beds or pots. Half hardy	
perennial.  Finest Mixed	.10
son scarlet flowers. Splendid for cutting	.15
Hibiscus (Rose Mallow). Noble shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut.	
Crimson Eye. Creamy white flowers, large crimson	1.0
Golden Bowl. Deep cream, with a velvety maroon	.10
Moscheutos. (Rose Mallow.) Very showy pink	.10
flowers	.10
Mixed Mallow Marvels. Grand assortment	.10
Hollyhock (Hardy Perennial). We give particular attention to this most popular flower. Seed sown in June or earlier will flower the following summer.	
Allegheny Mammoth Fringed. Very large flowers,	
finely fringed. Early sown seed will flower the first season. 7 feet. Mixed4 oz., 40c; oz., \$1.25	.10
Double Maroon, Double Red, Double Salmon Rose and Double Yellow. All at	.10
Newport Pink. Fine, pure pink, double variety, ex-	
quisite in snade; nowers very double 4 oz., 600	.15
Extra Choice Double Mixed. The seed offered under this head has been saved from the finest double flowers only; sure to produce satisfactory results	10
	.10



Ornamental Grasses



Polyphyllns. Blue .....

.10



Lupines



Defiance Mignonette	
——————————————————————————————————————	
Marigold (Tagetes). Splendid for beds or borders; the tall varieties grow about 3 feet high; the dwarf sorts, 18 to 24 inches.	
AFDICAN (Togetes Enecte)	Pkt.
3 to 4 inches across. 2 feet	\$0.10
flowers. Erect, branching habit. 2 feet. ¼ oz., 30c	.10
Eldorado. Bright orange flowers, shaded primrose, 3 to 4 inches across. 2 feet	
rich deep golden orange color; the finest of all and very showy	.10
rich deep golden orange color; the finest of all and very showy	
10W       1/4       0z., 30c         Tall Double African Mixed       1/4       0z., 25c         Dwarf Double African Mixed       1/4       0z., 25c	.10
Dwarf Double African Mixed 1/4 oz., 25c	$.1\overset{\circ}{0}$
These are very bright and effective in ribbon	
Legion of Honor. Single; bright yellow edges with	
dark crimson spots or blotches; a good bedder. 9 inches high	.10
lines or for edging beds of tall plants.  Legion of Honor. Single; bright yellow edges with dark crimson spots or blotches; a good bedder.  9 inches high	.10 $.10$
Single Marigold (Signata Pumila). A miniature Marigold, forming compact little plants 6 to 8 inches high, and	
completely covered with flowers which are bright	
yellow with brown stripe down the center of each petal. Very striking for edgings. Sow the seed in spring in boxes and transplant. Pkt., 10c.	
in spring in boxes and transplant. Pkt., 10c.	
Watricaria hardy. Dwarf double white.	10
Matricaria Eximia, Golden Ball. Golden yellow; fine for pots.  Mignonette  Gented. Most Satisfactory for gar-	.15
denOz., 20c	.10
Machet. Dwarf; very normerous and fragrant	.10
den	.10
Defiance. Immense spikes which keep until every bud is open	.10
Mimosa (Sensitive Plant).	
Pudica. White with pink blush	.10
Mimulus (Musk Plant).  Moschatus. For baskets, etc. Yellow flowers and	
fragrant foliage	.10
Myosotis (Forget-me-not)	
Alpestris Royal Blue. Rich indigo	$.10 \\ .10$
Alpestris Mixed. Various colors	$.05 \\ .15$
Alpestris Royal Blue. Rich indigo	.15
owing to its extreme hardiness, it is valuable for spring bedding in open ground	.25
	.20

.10 .10 .25

.10

.35

.10



NIGELLA-(Love-in-a-Mist)

# **NASTURTIUMS**

Tall Nasturtiums are especially suitable for covering fences, rockeries, trellises, or waste places that may not be very fertile, while the **dwarf** are splendid for borders and edgings.

TALL OR CLIMBING VARIETIES—Separate Cold

TALL OR CLIMBING VARIETIES—Separate	Colors
	Pkt.
Pearl (Moonlight). Whitish	20c \$0.10
Hemisphaericum. OrangeOz.,	20c .10
Yellow (Luteum)Oz.,	20c .10
Dark CrimsonOz.,	20c .10
JOHNSON'S SUPERB TALL MIXED	

This is a fitting companion mixture to Johnson's Superb Dwarf Collection offered above. This also contains the choicest colors in greatest variety. Pkt., 5c; 17, 15c; 2 oz 25c; 4 oz 40c; 1h \$1.25

oz., 15c; 2 oz., 25c; 4 oz., 40c; 1b., \$1.25.	
DWARF OR TOM THUMB VARIETIES—Separate (	colors
	Pkt.
Bronze color. Distinct	\$0.10
Golden Cloth. Golden yellow leaves; scarlet flowers	
	.10
King Theodore. Black, velvety; darkest of all	
	.10
Vesavins. Saimon-rose; extra large flowers in pro-	
fusion; fine	.10

# JOHNSON'S SUPERB DWARF MIXED

One of the choicest collections of really high-class varieties not commonly found in mixtures. It contains many high-priced named kinds of superb colors. Pkt., 5c; oz., 15c; 2 oz., 25c; 4 oz., 40c; lb., \$1.50.

VARIEGATED VARIETIES

Ivy-Leaved, Mixed. Leaves delicate English-Ivy form; flowers of delicate fringed formation. Pkt., 5c.; oz., 20c. Variegated-Leaved, Mixed. Produce, even without the flowers, a splendid effect. The flowers, however, are as beautiful as the preceding class. Pkt., 5c.; oz., 20c; 40c, 60c.

Nicotiana	(Tobacco Plant). H. A. tube-like flowers are born	The le	ong lus-
ters, and or	pen toward evening. 2 to 3	feet. S	lue-
ceeds best	in sunny beds or borders.		
Affinis Whit	to 3 foot	1/. 07	200 \$0.10

Amenis. White, 5 1	eet	φυ. τυ
Sanderæ. Finest I	Mixed. A brilliant carmine-red.	
	all summer	.10
Nieramhergia	(Cup Flower). Frutescens. Blooming the first year if sown	
		1
	rable for baskets, etc 1/4 oz 20c	.10
Nicella (Love-in	-a-Mist, or Devil-in-the-Bush).	

INIGERIA H. A. Charming and showy flowers, with	
finely cut foliage which surrounds the flower.	
Miss Jekyll. Double; bright blue; excellent for	
cutting	.10
Dominion 1	

Damascena. A compact, free-flowering plant of easy culture, growing in any garden soil; hardy annuals; blue and white mixed; one foot..Oz., 25c

# Johnson's Superb Pansies

The seed that we offer comprises the very finest strains obtainable, and will be found very superior to the quality usually offered. No expense has been spared in obtaining the very best strains from the best French, German and English sources. Pansy plants ready at proper season. FINEST SHOW PANSIES. Enormous Flowers Pkt.

FINEST SHOW I ANSIES. Endinous Flowers	T IV.
Johnson's Universal Maxture. This is the finest mix-	
ture possible to make as regards size, texture and	
colorings	90 En
	\$ 5.50
Masterpiece. Giant curied and runtled Pansies.	
Very beautiful, containing the richest combina-	
tion of colors	.15
Bugnot's Superb Blotched. Flowers of enormous	
size. The shadings comprise tints of red bronze.	
	9.5
and brown not found in any other mixture. % oz., 75c	.25
Cassier's Giant. The largest-flowered class of	
blotched Pansies	.25
GIANT TRIMARDEAUX PANSIES	
	1 -
Giant Golden Queen. Pure yellow. 4 oz., 75c; oz., \$2.00	.15
Giant Atropurpurcum. Deep royal purple. ¼ oz., 75c	.15
Giant White. White, with dark eye 4 oz., 75c	.10
Giant Snowflake (Snow Queen or Candidissima).	
Pure snow white	.15
Giant King of the Blacks. Intensely dark. 4 oz., 75c	.10
Giant Striped or Mottled. Curiously striped and	
flamed sort in rainbow tints	.15
Giant Hortensia Red. Very fine 4 oz., 75c	.15
	.10
Glant Mixed. Extra fine blending of colors	4.0
½ oz., 60c; oz., \$2.00	.10

# **PETUNIA**

H. A. One of our most popular annuals, of the	easiest
culture, thriving in almost any soil and frequently	seed-
ing itself and coming up the following year.	
For Plants, see page 50	Pkt.

													very	
													vable	
:	shade	of	cri	mse	on,	wh:	ite,	viole	et,	lave	nder,	etc		.\$0.25
		SH	VGI	Æ	GIA	NT	FI	ow	ER	ED	PET	UNI	AS	
Jo	hnsei	ı's	La	rge	-flo	wei	ing	. F	rin	ged.	Aı	ı u	nsur-	
														0.5

passed mixture from show flowers	.25
Ruffled Giants. A distinct class with very large,	
	.25
Ruffled and Fringed Giants. Exquisitely fringed	
and ruffled on the edges, and of immense size,	
in endless varieties of colors	.50
SINGLE BEDDING PETUNIAS	
Howard's Star. Very free flowering. A blush pink	

star on purple ground
Rosy Morn. Soft carmine pink with white throat
½ oz., 75c
Purple King. Royal in color and size; a wonderful
introduction
Hybrida, Choice Single Mixed. A good mixture for
bedding, baskets, vases, etc. \( \frac{1}{4} \) oz., 50c; oz., \( \frac{1}{5} \) 1.50
LARGE-FLOWERING DOUBLE PETUNIAS

In growing Double Petunias from seed the
weaker seedlings should be carefully saved, as
these usually produce the finest double flowers.
Superb Double-fringed. Saved from an unrivalled
collection; will produce a large percentage of
double flowers of the largest fringed varieties in
best colorsPer 500 seeds, \$1.25
Double Large-flowering. Beautiful varieties in mix-
ture. This is grown for us by a specialist
Per 500 seeds, \$1.00
w .

Phlox Drummondii For Plants, see page 50. is one of the prettiest an and should occupy a prominent place in every garden. It is of easy cultivation, and unequalled for its pro-

It is of easy cultivation, and unequality for its	DIO-
fusion of bloom, which will continue until frost.	The
rich and brilliant colors produce an elegant effec	et in
beds or borders. The flowers are also fine for cut	ting.
	⊇kt.
Prize Mixture of Large Flowering Phlox	
	\$0.10

GRANDIFLORA VARIETIES. 1 ft	
1, 1, 25; oz., 14 oz., 75c; 12 oz., 1.25; oz., 2.00	
Finest Mixed\$0.10 Shell Pink	
alba. Pure white10 Scarlet, White Eye	.10
Bright Rose10 Yellow	.10
Crimson	
Dark Purple10 Bright Scarlet	.10
GRANDIFLORA. Dwarf. 6 in.	
The Colonia Diale	

RANDIFLORA. Dwarf. 6	in.	
Finest Mixed	Salmon Pink	
	½ oz. \$1.00	.15
Fireball Scarlet	Pure White. 1/8 oz. 60c	.10
	Yellow 1/8 oz. 75c	.15
ISPIDATA (Star Phlox).	Flowers star-shaped	

.15

# Johnson's Selected Spencer Sweet Peas

The Spencer or Orchid-flowering sorts bear very large flowers, which are waxy or crinkled at the edges. Just as easy to grow as the common sort. The seeds should be sown early in spring; or, when the ground is not readily prepared in spring; fall sowing may be made, excepting the white-seeded varieties, which should not be sown until soil becomes quite warm and dry; or they may be started early in pots in greenhouses or frame, and planted out as early as the weather permits. White-seeded varieties, which are more tender than the dark-seeded, should be sown in sand to germinate and then transplanted in soil.

Pamphlet on Sweet Pea Culture, Free.

Prices of all varieties: Pkt., 10c; oz., 35c; ¼ lb., \$1.00.
Apple Blossom Spencer. Bright rose standard with wings of very light primrose, flushed or tinted rose-carmine. Very large Spencer form.

Asta Ohn. Suffused lavender or tinted mauve, sometimes with pinkish tinge. Spencer form, large and wavy.

Countess Spencer. Bright clear pink, sometimes darker towards the edges; very large, open form; long stems. The first variety introduced of the Spencer type, and still considered one of the best.

Dobbies. Sunproof crimson.

Elfrida Pearson. Flowers very large; color light pink on white ground, beautifully edged and shaded.

Flora Norton. Bright blue, with a slight tint of purple. Hawlmark. Salmon-pink.

Helen Lewis. A rich crimson orange, with wings of orange-rose or orange-salmon-pink. Large, fine Spencer form.

Hercules. Lovely rich pink of giant form and substance.

cer form.

Hercules. Lovely rich pink of giant form and substance.

A great improvement on Countess Spencer.

Illuminator. Bright glowing salmon tinged with orange.

Jean Ireland. Beautiful cream color edged with deep pink.

King Edward Spencer. Brilliant crimson scarlet; very large size, and of open form.

King Manoel. Giant chocolate-maroon self.

King White. The form, size, vigor, waviness and purity of color give pre-eminence to its claim as the best Spencer yet introduced. Seed white.

Margaret Atlee. The best rich pink. A giant in size and a strong grower.

Margaret Madison. Opens a delicate azure-blue, developing to a clear, light lavender.

Miriam Beaver. A leading light cream pink sweet pea. Flowers exceptionally large and wavy, with the standard often duplexed or doubled.

Mrs. Hugh Dickson. Buff, apricot and rose. Flowers of the largest size, borne on long stems; mostly four blossoms on each stem.

Mrs. C. W. Breadmore. Buff ground, with rosy picotee edge. Miriam Beaver Sweet Peas Early Flowering Spencer Sweet Peas
Invaluable for growing under glass. They bloom in
about three months from time of sowing. Each packet
contains 50 seeds. Primrose Spencer. One of the best primrose, or cream and ivory sweet peas. Large, wavy petals, clear, distinct color. Seed white.

R. F. Felton. One of the best lavender Spencers, a mauve toned lavender. Splendid exhibition variety. All varieties, pkt., 10c; oz., 50c; ¼ lb., \$1.75.

Early Morning Star. Deep orange scarlet or flame color in standard, with rich orange-pink wings.

Early Pink and White. Same color as the popular late blooming pink and white variety.

Early Heather Bell. A beautiful shade of rich lavender Johnson's Grand Spencer Mixture A liberal planting of this mixture will furnish a most magnificent display of Spencer types, including not only about all sorts now introduced, but many new ones not yet on the market. All shades of color, white, lavender, shades of scarlet, striped, purple and maroon. Gigantic Waved Spencer Type. Pkt., 10e; oz., 20e; ¼ 1b., 65e; lb., \$2.25 mauve. Early Songster. Giant early lavender.
Early Yarrawa. Bright rose pink color.
Early Snowflake. One of the best white varieties.
Early Mrs. Spanolin. The finest black-seeded white variety.
Early Mrs. A. A. Skaach. Flowers bright, shell pink.
Pink Beauty. Soft rose pink on white ground. Johnson's Grandiflora Sweet Peas Verbena A very popular bedding plant. The seeds come true to color, and plants are of surprising vigor compared with plants grown from cuttings. They should be planted at least 15 inches apart in good soil. Seeds should be soaked in warm water for an hour or two before sowing; cover about ¼ inch deep and firm the soil; water very carefully. Pkt.

Lucifer. A new color in the Mammoth type with flowers of largest size, of a deep cardinal-red throughout; a very effective bedder. \$0.15

Mammoth Defiance. Bright, rich scarlet; small leaves .10

Mammoth Blue Varieties. Showy and distinctive. .10

Lutea. Bright yellow. .10

Mammoth Mayflower. Beautiful pink .10

Mammoth Striped Varieties. Beautiful collection .10

Mammoth Pure White. Large trusses of purest white .10

Mammoth Pure White. Large trusses of purest white .10

Johnson's Mammoth Mixed ... ¼ oz., 50c; oz., \$1.50. .10

Lemon Verbena (Aloysia Citriodora). Every garden should have a few plants of this fragrant favorite. Its pale green, delightfully scented foliage goes well with any flower. .15

Vinca (Periwinkle). H. A. Of easy cultivation, growing very readily from seed and flower. Best Mixed. Pkt., 5c; oz., 15c; 1/4 lb., 50c. Yucca Filamentosa—Adam's Needle An attractive greenhouse shrub, grown for the delightful citron scent of its light green leaves....\$0.15 Johnson's Choice Zinnias Vinca (Periwinkle). H. A. Of easy cultivation, growing very readily from seed and flowering same season. Plants have dark green foliage and the pink or white single flowers make fine pot 



# ROSES

# The Best Field-Grown Roses for Your Garden

We offer a very select list of Dormant Rose Bushes for outdoor planting in Hybrid Tea, Hybrid Perpetual and Hardy Climbing types. The following varieties, each listed in its class, we can especially recommend for either spring or fall planting.

#### CULTURAL DIRECTIONS

When the rose beds are prepared, be sure they have good drainage, and that the soil is rich and sweet. Water well after planting. Prune them well; if you do not

know how, ask us; we will be glad to tell you the right way. Keep them clean from insects. Bush roses can be set 11/2 feet apart, climbing varieties from 4 to 6 feet apart, and standard Roses 3 or more feet apart. Cultivate freely throughout the summer and apply a light top dressing of bone-meal or sheep manure at least once a month throughout the growing season. Just before the ground freezes, in late November, draw the soil up against the plant in the same manner as you would hill up potatoes, and in December, when the ground is thoroughly frozen, cover with leaves, salt hay, or straw.

The stock offered here is good healthy 2-year-old stock, which will give an abundance of bloom the following summer if planted in the fall.

Prices, each, \$1.00; 6 for \$5.50; per doz., \$11.00; 25 for \$22.00; 100 for \$75.00, except where noted.

ALEXANDER HILL GRAY. A very satisfactory rose.

The long-pointed bud develops into a large, perfectly formed flower of lemon-yellow, shading darker at maturity. Foliage leathery, glossy, disease-resistant. This variety has become a standard yellow garden rose, ranking with the best.

COLUMBIA. An unusually fine American rose. The flowers are large, fully double, bright lively pink in color, shading darker at maturity; fragrant and borne until late fall. A strong grower, almost thornless. CRUSADER. Raised also as a greenhouse rose. A rich, velvety crimson flower of large size, slightly fragrant, of good lasting quality, and borne on long, stout stems.

ing quality, and borne on long, stout stems.

DUCHESS OF WELLINGTON. Among the few dependable yellow Hybrid Teas. The buds are long; the flowers large, well formed of few petals of intense saffron-yellow, changing to deep coppery yellow as they expand; delightfully fragrant.

GRUSS AN TEPLITZ. Of a rich scarlet shading to a velvety crimson. A very free grower and in bloom all the time; succeeds well under the most ordinary conditions.

conditions.

conditions.

HADLEY. Considered by many as being one of the best garden varieties of its color—a rich crimson, varying to deep velvety crimson. The flowers are well formed and very fragrant. It is a very free and continuous bloomer.

KAISERIN AUGUSTA VICTORIA. A soft pearly white, faintly tinted lemon in the center. Very fragrant, beautifully formed flowers on long, graceful stems.

KILLARNEY. Large, long-pointed buds, opening to large loose blooms of beautiful flesh-color, borne on long strong stems.

stems.

KILLARNEY BRILLIANT. Sport of Killarney. Brilliant pink, almost crimson, with as much odor as the parent, and better blooming habit.

KILLARNEY QUEEN. Another sport of Killarney, with flowers of a somewhat darker, clearer pink than the parent. Blooms large, well formed, on vigorous free-flowering plants.

free-flowering plants.

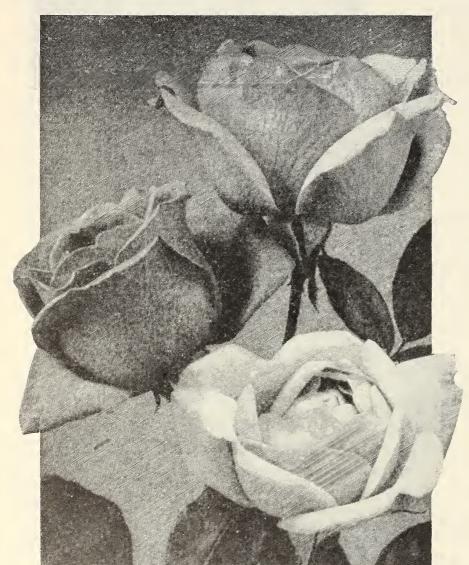
LADY ALICE STANLEY. A very much admired variety on account of its delightful fragrance and free-blooming qualities. A beautiful shade of coralrose, the inside of the petals shading to flesh-pink, with deeper flushes.

LADY HILLINGDON. Elegant buds of good quality and size, opening into handsome flowers of clear apricot-yellow. Plant relatively hardy, of much vigor, and with an autumn-blooming habit.

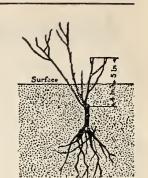
habit.

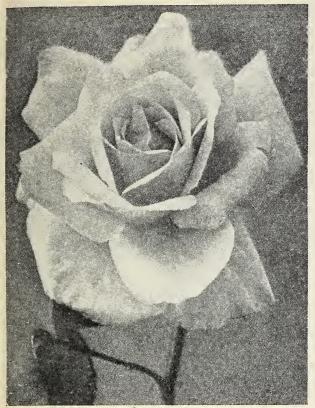
habit.

LOS ANGELES. New American Rose. The raisers describe this variety as by all odds one of the finest roses ever introduced. In color a luminous flamepink, toned with coral and shaded with translucent gold at the base of the petals. In fragrance it is equal in its intensity to the finest Marechal Niel. The buds are long and pointed and expand into a flower of mammoth proportions. The growth is vigorous to a degree. The beauty of form and everincreasing wealth of color is maintained from the bud until the last petals drop. This variety should be carefully protected during the winter. Each, \$1.50; per doz., \$15.00.



aree Radiance Roses—Radiance (at top), Red Radiance (center, lef Columbia (lower right), represent a distinct and dependable type of American-bred Hybrid Teas.





Los Angeles

# HARDY HYBRID PERPETUAL ROSES

Before the wonderful development of the Hybrid Tea Roses, the Hardy Hybrid Perpetual Rose was the most popular type for garden planting, and even now the most of the varieties offered are grown by Rose-lovers in conjunction with the other sorts. The collection offered below will be found excellent.

In pruning Hybrid Perpetuals it is advisable to cut away all weak growth, and if quality of bloom is desired, cut back the strong canes to within 8 or 9 inches of the ground, but if quantity of bloom for garden effect is desired, leave these canes from 2 to 3 feet high, according to their strongth

FRAU KARL DRUSCHKI. Pure white in color, perfect in form, strong grower and remarkably free-flowering.

GENERAL JACQUEMINOT. One of the old favorites and probably the best known Rose in cultivation. Brilliant scarlet-crimson.

MAGNA CHARTA. Strong, vigorous grower; bright pink suffused with carmine.

MAGNA CHARTA. Strong, vigorous grower, bright plant suffused with carmine.

MRS. JOHN LAING. Very free-flowering; soft pink of beautiful form.

PAUL NEYRON. Perhaps the largest of all; dark rose in

SOLEIL D'OR (Golden Sun). A distinct type. A cross between Persian Yellow and a Hybrid Perpetual. Color varies from orange-yellow to reddish gold, shaded with nasturtium-red. Conical-shaped buds opening to large, full, flat-shaped flowers. Perfectly hardy and free-blooming.

ULRICH BRUNNER. A good strong grower with large, full flowers, of a bright cherry-red.

Any of the above, field-grown plants, \$1.00 each; \$10.00 per doz.; \$75.00 per 100.

# HARDY CLIMBING ROSES

TWO-YEAR DORMANT PLANTS. Each, \$1.00; 6 for \$5.00; per doz., \$9.00. CLIMBING AMERICAN BEAUTY. Large fragrant flowers of a rich carmine color produced in abundance on strong growing canes.

AMERICAN PILLAR. Large single flowers of cherry pink with a clear white eye which surrounds numerous golden stamens.

CRIMSON RAMBLER. Bright crimson flowers borne in immense clusters during June and July. Extra strong.

DOROTHY PERKINS. Countless clusters of double pink flowers of a most beautiful shade. Strong dormant plants.

DR. W. VAN FLEET. Long, pointed deep pink buds, which when fully expanded are light pink, gradually deepening to a rich shell pink in the center. The open bloom averages 4 inches in diameter and is borne on long stems. stems

long stems.

EXCELSA (Red Dorothy Perkins). Brilliant scarlet-crimson flowers of the same type as Dorothy Perkins. The foliage is clean and is not subject to mildew.

PAUL'S SCARLET CLIMBER. A brilliant, vivid scarlet, which is maintained from bud until the petals fall. Medium in size, semi-double, in clusters of from three to six flowers each, the plants are literally covered with blosoms.

MOON. LVER MOON. Clear silver-white with bright yellow stamens, large, fragrant flowers; growth vigorous and free blooming.

#### ROSES-Continued

MME. BUTTERFLY. A sport of Ophelia, it shows even better growth than this sterling variety, with more and larger flowers of a brilliant pink, suffused apricot and gold. The flowers are of splendid form, good texture, and fragrance.

MME. CAROLINE TESTOUT. Large, globular flowers of bright satiny rose, with deeper center. Very free and fragrant, and one of the most popular and valuable bedding varieties.

PHELIA. Flowers of perfect form, large size, and a most pleasing delicate tint of salmon-flesh, shaded 10se, are borne erect on long stiff stems. A variety that is exhibited in all Rose collections and flower shows on account of its sterling merit.

PREMIER. REMIER. A new variety which was introduced as a forcing Rose, but it does well also as a bedding variety. Pure rose-pink in color, of good size and form.

ADIANCE. A brilliant carmine-pink, with salmon pink and yellow shadings at the base of the petals. A Rose that will withstand the most unfavorable hot summer weather. RADIANCE.

RED RADIANCE. A sport of Radiance carrying all the good qualities of the parent and differing only in the beautiful deep red color of the large globular flowers. Of the greatest garden value.

Intense orange-copper and golden-yellow; buds pointed; very brilliant in effect. Each, \$1.25; per long and po doz., \$12.50.

TILLOWMERE. The color of this lovely variety is perhaps best described as a coral-red in the bud state, opening to a large, full handsome flower of a rich shrimp-pink, shaded yellow in the center and flushed carmine-pink toward the WILLOWMERE. edges of the petals.

#### Special Offer of Hybrid Roses

We will supply one strong two-year-old plant each of our col-lection of 21 Hybrid Roses, offered above. A magnificent collection for \$17.50.



Three Fine Hardy Climbers-Top, Dorothy Perkins: Center Oyal, Paul's Scarlet Perkins; Center Oval, Paul's Climber; Lower, Excelsa

# PLANT DEPARTMENT

# ANNUAL FLOWERING PLANTS FOR BEDS, PORCHES and WINDOW BOXES

DELIVERY, MAY TO JULY

Our Bedding Plants are grown in greenhouses especially constructed to produce compact, stocky plants. These are not forced, but grown at a low temperature, and are of the hardiest possible character.

	-
	Doz.
ALYSSUM, Dwarf White. Sweet-scented. 100, \$7.00	\$1.00
ANTIRRHINUM (Snapdragon). For bedding and cut flowers these plants are ideal; our strain being particularly fine. White, Pink, Yellow, Red or Mixed100, \$8.00	
cut flowers these plants are ideal; our strain	
peing particularly nne. White, Pink, Yellow,	1.00
	1.00
ASTERS, Semples Branching and Giant Comet.	
White, pink, crimson, light blue and dark blue; each color separate or all mixed100, \$3.75	.50
The state of the s	.00
BACHELOR BUTTON (Cornflower).	.60
Centaurea Cyanus. Single mixed	.50
Double Mixed	
BALSAM. Mixed colors	.50
CANDYTUFT, Empress. White, potted	1.00
CLARKIA Elegans. Double mixed	.50
CALENDULA (Pot Marigold). Orange King	.50
CALLIOPSIS. Finest mixed	.50
CELOSIA (Cockscomb). Finest mixed	.50
COSMOS. Single and double mixed; early and late	
flowering.	
Single	.50
Double	.60
EUPHORBIA (Snow-on-the-Mountain)	.60
FOUR O'CLOCK (Marvel of Peru). Mixed	.50
GYPSOPHILA (Babysbreath). White	.50
HELICHRYSUM (Straw Flower), Monstrosum. Mixed	.50
KOCHIA (Summer Cypress)	.50
LARKSPUR. Finest mixed	.50
MARIGOLD	
Tall African, Mixed	.50
French Dwarf, Mixed	.50
MIGNONETTE	
Machet. Dwarf white	.50
Defiance. Tall and fragrant	.50
NICOTIANA, Affinis. Pure white	.50
PETUNIA, Large-flowering, Single, Mixed	.50
Large-flowering Double, Mixed. (See potted plants.)	
Fringed Petunias. (See potted plants.)	
PINKS, Annual Garden. In plants. Assorted colors	F 0
DINES, Annual Garden. In plants. Assorted colors	.50
PINKS, Hardy Garden. In clumps. (See page 53.)	
PHLOX. Finest mixed colors	.50
RICINUS (Castor Oil Bean). Mixed	.75
SALPIGLOSSIS (Painted Tongue). Finest mixed	
colors. Potted	1.00
SALVIA (Scarlet Sage).	
Bonfire. Potted	1.50
Splendens. Potted	1.50

e, and are or the nardiest possible character.	
1.	Doz.
SCABIOSA. Finest mixed	\$0.50
SWEET ALYSSUM. (See Alyssum.)	
SWEET SULTAN (Centaurea Imperialis).	
Blue	.75 .50
Finest Mixed  JOHNSON'S NEW DOUBLE GIANT ZINNIAS. This	
is a special strain of our own and we can offer	
the plants in mixed colors only	.75
Potted Annuals	
PRICES SUBJECT TO CHANGE	
Each	Doz.
ANTHERICUM (Grass).	\$1.00
CANNAS	5.00
CALADIUM (Elephant Ear)\$0.75	
COLEUS. Assorted colors. Doz., \$1.00 to \$3.00	
CENTAUREA (Dusty Miller)	2.50
DRACAENA	
FERNS. Hardy	
GERANIUMS. Assorted colors	3.50
HELIOTROPE. Blue	2.00
PETUNIAS, Single Fringed	1.50
Double Fringed	2.00
STOCKS. Finest mixed. Separate colors	1.00
SPRENGERI, Asparagus	3.00
VERBENA, Finest mixed. Separate colors	.85
VERBENA. Lemon	2.50
VINCA VINES. Potted	2.50
Annual Vines	
Each	Doz.
<b>ENGLISH IVY.</b> 2 year	
JAPANESE HOP	2.50
COBAEA SCANDENS	2.50
MOONFLOWER	1.50
	- 1



This book is called "A Little Book of Annuals." You will find it offered on page 1.



Cosmos

# SHADE AND ORNAMENTAL TREES

BIRCH (Betula). Cut-leaved, Weeping. 5 to 6 ft., \$4.00 each.

CATALPA, Bungei (Umbrella Catalpa). Perfectly hardy and flourishes in almost all soils and climates and without pruning it makes a beautiful umbrella-shaped top. Leaves are large, glossy, deep green and heartshaped, and lie like shingles on a roof, always making a symmetrical head. 5 to 6 ft., \$4.00; 3 to 4 ft., \$3.00 each.

ELM, American White or Water Elm. A large tree with spreading branches. Leaves deep rich green. Extensively planted. 6 to 8 ft., \$2.50 each.

MAPLE, Silver. If well taken care of, it makes a rapid growth, especially in sandy soil, and it is a favorite with many people. 6 to 8 ft., \$1.50; 8 to 10 ft., \$2.00; 10 to 12 ft., \$2.50; large specimens, \$3.50 to \$7.50 each.

MAPLE, Sugar. A good sized variety with wide-spreading branches and beautiful and abundant foliage. A rapid grower. A popular variety. 8 to 10 ft., \$3.00 each.

POPLAR, Norway. A rapid growing tree of great hardiness. Used for windbreaks, street trees and ornamental planting. Hardy and widely planted. 8 ft., \$1.50 each.

SYCAMORE, European. The best shade tree for all purposes. It grows moderately rapid on all soils and is longer-lived than most trees. More uniform and symmetrical in growth than almost any other tree. \$ ft., \$2.50; 8 to 9 ft., \$3.00; 10 to 12 ft., \$4.50; extra large trees, \$5.00 to \$9.00 each.



# JOHNSON'S HARDY PERENNIAL PLANTS

The size mentioned in the description indicates the approximate height that the plant may be expected to attain at maturity. The months represent the season of bloom.

Prices of Perennials, except where otherwise noted, 15c each; \$1.50 per doz.; \$10.50 per 100.

ACHILLEA ptarmica, "The Pearl." Small double white flowers in open heads, blooming profusely all summer. 2 feet. 25c each; \$2.50 per doz.

ACONITUM napellus (Monkshood). Dark blue flowers hooded in dense heads from July to September. 3

Napellus album. Pure white-hooded flowers.

Napellus bi-color. Flowers blue and white. Prices for above three varietics, 35c each; \$3.50 per

ALYSSUM saxatile compactum (Basket of Gold, Gold Tuft, Rockmadwort). An indispensable plant for the rockery or border, growing one foot high and producing in May masses of broad, flat heads of bright yellow flowers. 25c each; \$2.50 per doz.; \$18.00 per 100.

ANCHUSA (Dropmore). Beautiful rich blue. 5 to 6 feet. 35c each; \$3.50 per doz.

#### ANEMONE japonica.

Flowers pure white, with prominent yellower. Flowers produced on long stems. 35c each; center. Flowers. \$3.50 per doz.

AQUILEGIA chrysantha (Golden Spurred Columbine).
Flowers are a pure golden yellow with long spurs.
Very fragrant and one of the best of the Columbines.
June to September. 3 feet. 30c each; \$2.50 per doz.
Chrysantha alba. A white-flowering form of above.
30c each; \$2.50 per doz.

Long-spurred Varieties. A selected strain of immense flowers in all the brilliant shades. 30c each; \$2.50 per doz.

ARABIS alpina (Rock Cress). An excellent dwarf plant for rockwork, borders or carpeting where massed color effect is desired, covered during its blooming season with snow-white flowers. 25c each; \$2.50 per

HARDY ASTERS (Michaelmas Daisies). They flower at a time when few hardy plants are in bloom. 25c each; \$2.50 per doz.; \$18.00 per 100.

BLEEDING HEART (Dicentra Spectabilis-Seal Flower). An old-fashioned favorite; its long racemes of graceful heart-shaped pink flowers are always attractive, and is perfectly at home in any part of the hardy border, and especially valuable for planting in the shade. 50c each; \$5.00 per doz.

TONIA latisquama. Very showy pink flowers, fine for cutting. August and September. 4 to 5 feet. 25c each; \$2.50 per doz. BOLTONIA latisquama.

CAMPANULA (Bluebells).

Media (Canterbury Bells). Our strain of Canterbury Bells is unexcelled. We grow them in separate colors, blue, pink, white and mixed. 25c each, \$2.50

Media calycanthema (Giant Cup and Saucer Canterbury Bells). The large cup-and-saucer-shaped flowers are extremely handsome. Separate colors, blue, pink, white and mixed. 25c each; \$2.50 per doz.; \$18.00 per 100.

CHRYSANTHEMUMS (Hardy Pompons). each; \$2.00 per doz.; \$12.00 per 100. All colors. 20c

Large Flowered or Shaggy Varieties. All standard varieties and colors. 20c each; \$2.00 per doz.; \$12.00 per 100.

Small Flowered or Button Varieties. 20c each; \$2.00 per doz.; \$12.00 per 100.

COREOPSIS lanceolata grandiflora. This is one of the finest of hardy plants, with large, showy, bright yellow flowers, produced in the greatest abundance from June till frost. As a cut flower they stand near the head among hardy plants. 25c each; \$2.50 per doz.

DAISY, Hardy (Bellis Perennis—English Daisy). Large double-flowering pink and white. 50c per basket.

DELPHINIUMS (Hardy Larkspur). These are deservedly one of the most popular subjects in the hardy border; of easiest culture; perfectly hardy. They will establish themselves in almost any garden soil. 25c each; \$2.50 per doz.

Belladonna. The freest and most continuous blooming of all. The clear turquoise blue of its flowers is unequaled for delicacy and beauty. 25c each; \$2.50 per doz.; \$18.00 per 100.

Formosum. Best dark blue. 25c each; \$2.50 per doz.; \$18.00 per 100.

#### JOHNSON'S HARDY PERENNIAL' PLANTS—CONTINUED

Prices of Perennials, except where otherwise noted, 15e each; \$1.50 per doz.; \$10.50 per 100.

- DIANTHUS Deltoides (Maiden Pink). A charming creeping variety, with pink flowers. 25c each; \$250 per doz.
  - lba. A pretty white flowering form. 25c each; \$2.50 per doz. Alba.
- borded perennial, forming a bush about 2½ feet in height, having fragrant foliage and spikes of rosypink flowers with deeper veins during June and July, giving off on warm, sultry evenings a fragrant volatile oil, which ignites when a match is applied to the stem directly under the head of the flower. Requires a heavy, strong soil, and an open sunny position. 25c each; \$2.50 per doz. DICTAMNUS Fraxinella (Gas Plant).
- plants with broad foliage and showy flowers, borne on spikes. June and July. 25c each; \$2.50 per doz.
- NKIA Undulata Variegata (Plantain Lily). Green leaves margined and edged white. Fine for borders and edging. 30c each; \$2.75 per doz.
  - ibcordata Grandiflora. Large white flowers, borne in heads. Foliage green, pointed; sweet scented. 18 inches. August and September. 40c each; \$3.75 per Subcordata Grandiflora.
- GAILLARDIA Grandiflora. One of the showiest of perennials. Ray flowers ranging from red to yellow, dark maroon center. 3 feet. June to frost. 25c each; \$2.50 per doz.
- GEUM (Avens).
  - Mrs. Bradshaw. Very large double flowers of the brightest scarlet color; an excellent variety. 30c each; \$2.50 per doz.
- GYPSOPHILA Paniculata (Babysbreath). Minute white flowers borne in enormous quantity in open panicles during summer months. Valuable for cutting. 25e each; \$2.50 per doz.
- HELENIUM Autumnale Superbum. Large, yellow flowers, with drooping rays borne in immense panicles. 6 to 7 feet. July to September. Each, 30c; \$2.50 per doz.
  - Autumnale Rubrum. A variety of the above with bright terra cotta red flowers. Each, 30e; \$2.50 per
- HELIANTHUS Giganteus (Hardy Sunflowers). One our native varieties, with medium sized brig canary-yellow flowers in September and October. feet. 25c each; \$2.50 per doz.
- HEMEROCALLIS Flava (Lemon Day Lily). Fragrant yellow flowers in June. Grows 2 feet high, with flowers on long stems for cutting. 25c each; \$2.50 per doz.
  - Fulva (Orange Day Lily). This old-fashioned flower is one of the hardiest. It will do well in full sun or in the shade of deciduous trees, and is not particular as to soil if not too wet. 25c each; \$2.50 per doz.
- SISCUS. Crimson Eye. Large, white flowers, with crimson-purple eye. August and September. 6 to feet. 50c cach; \$5.50 per doz. Extra large plants. Large, white flowers, with a
  - light pink flowers, crimson center. per. 5 to 6 feet. **50c each; \$5.50 per** Militaris. Large, light pin July to September. 5 to doz. Extra large plants.
- LLYHOCKS (Althea Rosea). One of the noblest of hardy plants. It is well fitted to break up ugly lines of shrubs or walls by its tall, stately growth. Deep cultivation, much manure and frequent watering in dry weather will secure fine spikes. 30c each; \$3.00 per doz.
  - Double. Flowers form rosettes of lovely shades yellow, crimson, rose, pink, orange and white. each; \$3.00 per doz.
- HONEYSUCKLE, Chinese Evergreen (Woodbine). Red, yellow, crimson, rose, pink, orange and white. 25c each; \$2.50 per doz.
- IBERIS Sempervirens (Hardy Candytuft). Most desirable dwarf plants, with evergreen foliage, which is completely hidden with dense heads of pure white flowers early in the spring. 8 to 10 inches. 25c each; \$2.5.3 per doz.

#### New Hybrid Tea Roses

We offer a splendid up-to-date list of the above, which are fully described and offered on pages 48

#### A Book on Perennials

This book is called, "A Little Book of Perennigls," You will find it offered on page 1.

# German Iris

(Roots)

#### Fleur-de-Lis, or Blue Flags

During May, the Irises rule supreme in the hardy border where they thrive in soil too poor to grow potatoes. The Irises are the "Flags" of the old-fashioned gardens. They are most effective when used as edging for shrubbery or garden border.

Named varieties, 35c each; \$3.50 per doz.; \$18.00 per 100. MIDNIGHT. A rich deep purple; the finest in this color. A fine cut-flower.

- KING OF IRIS. A striking novelty, with flowers perfect form, the standards clear lemon color; falls deep satiny brown, with a broad border of golden yellow.
- LORELEY. Flowers perfect shape. Falls of a deep ultramarine blue, more or less veined creamy white, with a border of sulphur-yellow. The standards are pale sulphur-yellow.
- DAME CHEREAU. White, elegantly frilled with a wide border of clear blue. One of the most charming MADAME CHEREAU.
- SHAKESPEARE. Standard bronzy yellow; falls maroon, reticulated yellow.
- WALHALLA. Standards lavender. Falls wine-red; very showy and attractive color combination.

  INGEBORG. Pure white. Very large flower.

# Japanese Iris

Iris Kaemferi

The Japanese Iris usually flower after the German. They are much admired on account of their variety of color and large size. We offer eight of the finest distinct varieties that we know of. They have been selected by us from a large collection of the best named sorts. Sixpetal varieties are termed double; three-petal varieties, single.

- AMETHYST (Single). Immense, wide-spreading nowers of fine substance. Color, light lavender or amethyst. 50e each; \$3.50 per doz.
- AZURE (Double). Immense flower; exquisite wavy; mauve blue with darker halo surrounding the yellow blotch at the base of the petals. 60c cach; \$6.00 per doz.
- GOLD BOUND (Double). Tall and showy with flowers of enormous size, probably the most beautiful of all. Pure white with large gold-banded center. 35c each; \$3.50 per doz.
- MAHOGANY (Double). Dark red, shaded maroon. 50e each; \$4.50 per doz.
- NIGHTFALL (Single). HTFALL (Single). Very dark purple-blue, with iridescent lustre. Richest color of any Iris. 75e each; \$7.50 per doz.
- RMA (Double). An exquisite silky lavender-pink with clear blue disk and yellow spot at the base of petals. Very fine and a long step towards a pink. 60c each; \$6.00 per doz. NORMA
- RED RIDING HOOD (Single). Fir white. 35c each; \$3.50 per doz. Fine amaranth, veined
- TEMPLETON (Double). Light violet shade, mottled reddish pink and white. Often triple, exceedingly fine in form. 50c each; \$4.50 per doz.
- LIATRIS Pycnostachya (Blazing Star, or Gay Feather). Showy and attractive native plants, succeeding anywhere, producing large spikes of light rosy-purple flowers in July and August. 5 feet. 25e each; \$250 per doz.; \$15.00 pcr 100.
- LILY-OF-THE-VALLEY. For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. 25c per doz.; \$2.60 per 100. Stock cannot be shipped after May 15th.
- UM Percune (Flax). A desirable plant for the border or rockery, growing 2 feet high, with light, graceful foliage and large blue flowers all summer. 25c each; \$250 per doz.; \$15.00 per 100. LINUM Perenne (Flax).
- LOBELIA (Cardinal Flower). 25c each; \$2.50 per doz. LUPINUS (Lupins). These flower in May and June; are 3 to 4 feet high. In dry weather, water liberally to prolong the bloom.
  - Polyphyllus. Blue, white and pink. 35c each; \$3.50 per doz.
- LYCHNIS (Campion). All of the Lychnis are of the easiest culture, thriving in any soil, and this in addition to their brightness, has brought them into high favor with lovers of hardy plants.
- CHALCEDONICA (Jerusalem Cross). A most desirable plant, heads of brilliant orange-scarlet in June and July. Grows 2 to 3 feet high. 30c each; \$3.00 pcr doz.

JOHNSON'S HARDY PERENNIAL PLANTS-Cont.

Six plants of a variety at dozen rate; 25 at 100 rate.
Prices of Perennials, except where otherwise noted,
15e each; \$1.50 per doz.; \$10.50 per 100.

MONARDA Didyma (See Balm). Bright scarlet flowers
in terminal heads. July to September. 2 to 3 feet.
25e each; \$2.50 per doz.

MYOSOTIS Alpestris (Alpine Forget-Me-Not). Splendid for naturalizing edge of ponds and streams; also for beds, borders, and rockeries. 20c each; \$2.00 per doz.

OENOTHERA (Evening Primrose).

Pilgrimi. Large clusters of bright yellow. 18 inches. June to September.

Speciosa. A rare, pure white variety. 18 inches. June to September. 30c each; \$2.50 per doz.

ORNAMENTAL GRASSES. We carry a full line of all varieties. Prices on application.

PENTSTEMON (Beard Tongue). Most desirable perennials for either border or rockery. They like a friable loam, with a mixture of well-decayed leaf mold and sharp sand.

Barbatus Torreyi. Spikes of brilliant coordets warmen.

Barbatus Torreyi. Spikes of brilliant scarlet; very fective; height, 2 to 5 feet; June to August. each; \$3.00 per doz.

PHLOX SUBULATA (Moss or Mountain Pink). An early spring-flowering type, with pretty moss-like evergreen foliage, which, during the flowering season, is hidden under the masses of bloom. An excellent plant for the rockery, or the border, and invaluable for carpeting the ground or covering graves.

Alba. Pure white. Each 25c; \$2.50 per doz.

Lilacina. Light lilac. Each 25c; \$2.50 per doz.

Rosea. Bright rose. Each 25c; \$2.50 per doz.

HARDY PHLOX, Paniculata. We can furnish all colors and varieties. 25c each; \$2.50 per doz.

PHYSOSTEGIA (False Dragon Head). One of the most beautiful of our midsummer flowering perennials, forming dense bushes 3 to 4 feet high, bearing spikes of delicate tubular flowers.

Virginica. Bright, but soft pink. Each 25c; \$2.50 doz. Alba. Pure white; very fine. Each 25c; \$2.50 doz.

INKS, Hardy Garden (Double). These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are splendid cut blooms. Elsie. Bright rose with maroon center. Essex Witch. Delicate pink, finely fringed. White Reserve. Classed as an everblooming variety, very double and pure white. PINKS.

Prices, 25c each; \$2.50 per doz.; \$15.00 per 100.

PLATYCODON (Balloon Flower or Japanese Bellflower).

The Platycodons form neat branched bushes of upright habit, which bear a continual succession of flowers from June to October.

Grandiflorum. Deep blue-cupped, star-shaped flowers; 1½ feet. 25c each; \$2.50 per doz.

Album. A white-flowered form of the above. 25c each; \$2.50 per doz.

\$2.50 per doz.

POPPY, Oriental. Beautiful showy scarlet. 25e each; \$2.50 per doz.

PYRETHRUM Uliginosum (Giant Daisy). Grows 3 to 4 feet high and is covered with large white daisy-like flowers, 3 inches in diameter, from July to September. 25c each; \$2.50 per doz.; \$15.00 per 100.

RUDBRECKIA (Golden Glow). Flowers beautiful golden yellow and very double. June till fall. 6 to 8 feet. Each 25e; \$2.50 per doz.

SCABIOSA. The flowers are gigantic measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. Average height, 2½ feet. Very free flowering.

Caucasica (Blue Bonnet). A delicate shade of lavender-blue extring in flower in Lune and losting well.

Caucasica (Blue Bonnet). A delicate shade of lavender-blue, starting in flower in June and lasting well through the summer. 50c each; \$5.00 per doz. Caucasica Alba. White. Like the above except in color. 50c each; \$5.00 per doz.

SEDUM or STONE-CROP (Dwarf Sorts). Suitable for the rockery, carpet-bedding, covering of graves, etc. Acre (Golden Moss). For covering graves; foliage green; flowers bright yellow.

Album. Green foliage, white flowers.

Ewersii. Broad glaucous foliage with purplish-pink flowers in summer; 6 inches.

Sieboldi. Round, succulent, glaucous foliage, bright pink flowers, August and September.

Stahli. Compact species with crimson-tinted foliage in autumn.

25c each; \$2.50 per doz.; \$15.00 per 100. Set of 9 sorts,

SEDUM Spectabile. Handsome rose-colored flowers in immense heads during late fall. 18 inches. Tall blooming. 30c each; \$2.50 per doz.; \$16.00 per 100. SHASTA DAISY (Alaska). Large, snowy-white flowers, 4 inches across; in bloom all summer and fall. 25c each; \$2.50 per doz.

STOKESIA (Laevis) Cyanea (Cornflower Aster). Large, deep blue flowers, from August to October. 25c each; \$2.50 per doz.

Cyanea Alba. Same as above only pure white. 25c each; \$2.50 per doz.

SWEET WILLIAM (Dianthus Barbatus).

Newport Pink. Rich salmony-rose. 26c each; \$2.00 per doz.

Newport Pink. Rich Samony-100.

per doz.

Bright Scarlet. Effective color. 20 each; \$2.00 per doz.

Pure White. Very large. 20c each; \$2.00 per doz.

Mixed. Containing all colors. 20c each; \$2.00 per doz.

TRITOMA Pfitzeri (Red Hot Poker, Flame Flower, or

Torch Lily). A superb variety, very free blooming.

Color a rich brilliant orange; medium height; summer till fall. 35c each; \$3.50 per doz.

wer till fall. 35c each; \$3.50 per doz.

VALERIANA Officinalis (Hardy Garden Heliotrope). Oldfashioned garden Heliotrope, lavender flowers. June and July. 4 feet. 25c each; \$2.50 per doz.

VERONICA (Speedwell). The Speedwells are mostly natives of New Zealand, flowers being of a blue shade, varying to rose and dull white. They succeed in any garden soil in sunny situations. The low-growing forms are good rock plants. One foot. July to August. 25c each; \$2.50 per doz.; \$18.00 per 100.

VICCA (Adams Needle). The foliage is of an evergreen

YUCCA (Adams Needle). The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet, and are decked with cream-white, bell-shaped, drooping flowers in July and August. Filamentosa. White, with reflexed flower bells. Extra strong plants. 30c each; \$2.50 per doz.; \$20.00 per 160.

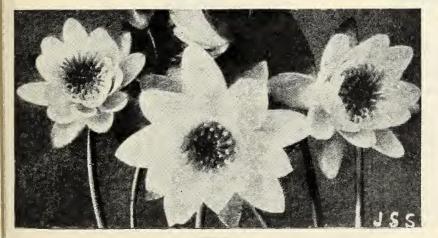
### COLLECTION OF HARDY PERENNIALS

For customers who are not acquainted with the various varieties, we offer the following collections, in varieties strictly of our selection, in good, strong roots, that will, with little care, keep the garden gay with flowers from the time frost leaves the ground until late in autumn.

			selection\$2.00
25	Varieties,	our	selection 3.75
			selection 5.50
100	Varieties.	OHP	selection 9.50

# Hardy Perennial Vines

Each	Doz.
BOSTON IVY\$0.60	\$6.00
CLEMATIS. Paniculata. White	3.00
Jackmani. Purple 1.00	
<b>DUTCHMAN'S PIPE</b>	
HONEYSUCKLE	4.00
MYRTLE	3.00
PACHYSANDRA	2 00
POLYGONUM	,3.00
WISTARIA	7.00



# Hardy Water Lilies—Nymphæa

Water Lily roots will be ready about July 1st, where any foots will be ready about July 1st, and will be mailed postpaid at prices mentioned. Where no pond or slow flowing stream is near at hand, the plants may be grown in a large tub partly filled with rich mud or clay, the roots planted in this and the tub filled with water.

dorata. The fragrant Pond Lily of the northeastern United States; flowers white, 3 to 5 inches in diameter, stamens yellow; leaves dark green above, under surface deep red to reddish green; splendidly adapted for planting in quantity in natural ponds. Each, 60e; doz., \$5.50. Odorata.

Marliacea Chromatella. Petals and stamens bright yellow, 4 to 6 inches across. A very strong, free and continuous bloomer. Each,

\$2.50.

uberosa Rosea. Flowers an exquisite shade of pink. A vigorous grower, of the easiest culture. Each, \$1.25. Tuberosa Rosea.

# HARDY ORNAMENTAL SHRUBS FOR SPRING PLANTING

# Almond—Double Flowering

See PRUNUS.

# Althea, Hibiscus Syriacus (Rose of Sharon)

Admiral Dewey. Double, pure white. Duc de Brabant. Double red.

Paeonaeflora. Double, clear pink.
Variegata. Variegated leaved; a dwarf variety with leaves margined silvery-white.

Prices of above four varieties: 2 feet...... \$0.75 \$ 6.00 3 feet..... 1.00 10.00

#### Buddleia (Summer Lilac or Butterfly Bush) Variabilis Veitchiana. 2 year, 75c each.

#### Deutzia

Scabra Watereri. Beautiful single pink. Flowers in

June.

Gracilis. Slender, often arching branches. Low, dense, globular habit; flowers pure white in racemes.

Lemoinei. A vigorous grower and excellent for forcing; very desirable; early bloomer; panicles of pure white flowers borne on stout branches. Blooms in May and 

 Prices of above varieties:
 Each 2 to 3 feet
 Doz. 80.90 \$8.50

 1 to 1½ feet
 .60 6.00

Dogwood (Cornus)

Cornus Alba Sibirica (Siberian Dogwood). A strong growing variety, crimson colored branches in winter. 90c each.

Florida (White-flowering Dogwood). An ornamental, spreading, irregularly shaped tree, producing large white flowers in spring and rich crimson foliage in autumn. Plants, 4 to 5 feet high, \$1.25 each.

Rubra (Red-flowering Dogwood). Flowers rich rosy red. The two varieties make a fine contrast. Plants, 2 to 3 feet high, \$1.50 each.

feet high, \$1.50 each.

Sanguinea (Red-twigged Dogwood). A strong growing bush, with crimson colored branches; especially attractive in winter. 80c each.

# Crab (Bechtel Double Flowering)

Shapely, compact tree with clusters of double, soft pink, fragrant flowers. 4 to 5 ft., extra fine, \$2.00; 5 to 6 ft., \$3.50 to \$5.00; 6 to 7 ft., \$6.00 to \$8.00; 7 to 8 ft., \$8.00 to \$10.00.

# Euonymus (Strawberry or Burning Bush)

Alatus (Winged Burning Bush). 2 to 3 ft., extra bushy, \$1.75; balled and burlapped, 5 to 6 ft., \$5.00 to \$7.00; 6 to 8 ft., \$8.00 to \$10.00.

#### Forsythia

Suspensa (Weeping Golden Bell). Long, graceful branches drooping to the ground and covered to the tips with handsome yellow trumpet-shaped flowers in April. Suspensa Fortunei (Golden Bell). One of our best early-flowering shrubs. Before any tree or shrub shows a leaf they burst into glorious masses of golden yellow, drooping flowers.

#### Halesia

Halesia Tetraptera (Silver Bell or Snowdrop Tree). One of the most desirable tall shrubs, with pretty bell-shaped snowdrop-like white flowers in May. \$1.25 each.

#### Hydrangea

Paniculata. Larger growing bush than the well known Grandiflora, and blooms a month later; buds do not all open. Height, 12 feet. 2-ft. plants 90c each; \$9.00 per

aniculata Grandiflora. The well known hardy Hydrangea. Flowers are borne in dense panicles, pure white when opening, but later of a purplish-pink. \$1.00 each; Paniculata Grandiflora.

# Japanese Quince (Cydonia Japonica)

A shrub with spreading spiny branches. Glossy leaves; flowers are a deep scarlet, in clusters. The quince-shaped, golden yellow fruit remains a long time in summer. 3 feet. \$1.50 each.

#### Lilacs

#### COMMON VARIETIES

Purple, White, Persian, White Persian. 2 feet. 75c each; \$6.50 per doz.

Vilosa (S. Villosa). Color light pink. Valuable for late blooming. 2 feet. 75c each; \$6.50 per doz.

# Lonicera (Bush Honeysuckle)

Morrowi (Japanese Bush Honeysuckle). 2 to 3 ft., 75c; 4 to 5 ft., specimens, \$1.25.

#### Prunus

Prunus Japonica fl. pl. (Double-flowering Almond). A beautiful dwarf Shrub, producing its showy double flowers early in May before the leaves appear. We can supply both white and pink. Plants, 2 to 3 feet high, \$1.00 each.

Pissardi (Purple-leaved Plum). A dwarf Shrub, covered with single white flowers in spring; when they first appear the leaves are a lustrous crimson, changing to a rich purple. Plants, 3 to 4 feet high, \$1.00 each.

#### Sambucus (Elder)

Sambucus Nigra Aurea (Golden Elder). Of strong growth, and one of the best yellow foliage Shrubs; the color is remarkably bright, rich and constant, and makes a fine contrast in the shrubbery border. 75c each.

# Spirea

Anthony Waterer. Flowers scarlet-crimson, blooming profusely from June to October. Strong plants. 2 feet. 1 ft., 75c each; \$6.50 per doz. 1½ ft., \$1.00 each; \$9.00 per doz.

Bridal Wreath (S. Prunifolia). One of the best and earliest blooming shrubs. Flowers double, white and very abundant along the stem. May. 4 feet. 2 ft., 75c each;

abundant along the stem. May. 4 feet. 21th, the stem, \$7.50 per doz.

St. Peter's Wreath (S. Van Houttei). The finest and most satisfactory of all Spireas, either singly or among other shrubs. It forms a round and graceful bush, with arching branches, which in June are set from end to end with beautiful white blossoms. 2 ft., 60c each; \$6.50 per doz. 3 ft., 75c each; \$7.50 per doz.

#### Symphoricarpos

The Coralberry, Indian Currant and Snowberry Racemosus (Snowberry). 2 to 3 ft., 75c.
Vulgaris (Coralberry or Indian Currant). 2 to 3 ft., 35c;
3 to 4 ft., bushy, \$1.00.

# Syringa (Philadelphus)

Golden (P. Coronarius Foliis Aureis). A graceful variety, with bright yellow foliage. Height, 5 feet. 1½ ft., \$1.25 each; \$12.00 per doz.

Mock Orange (P. Coronarius). Shrub with upright branches; pure white, fragrant flowers are produced in clusters in June; foliage dark green. 6 feet. 3 ft., 75c each; \$7.50 per doz.

Large-flowered Mock Orange (P. Grandiflora). A vigorous, upright variety, with large, showy flowers in June; it grows rapidly. Height, 12 feet. 3 ft., 75c each; \$7.50 per doz.

# Tamarix

Tamarix Hispida Aestivalis. A distinct variety, with delicate, soft pink sprays of flowers in July and August, a time when the shrubbery border is comparatively bare of flowers. 75c each.

Indica. Very strong-growing, with feathery plumes of pale pink flowers in late summer and autumn. 75c each.

#### Viburnum (Snowball)

European High Bush Cranberry (V. Opulus). One of the best shrubs for general planting. Red berries resembling cranberries remain until early winter. Height, 12 feet. 2 ft., 75c; 3 ft., \$1.00; 4 ft., \$1.25 each.

#### Weigela

Candida. Flowers pure white, vigorous and fine habit. Height, 8 feet. 3 ft., \$1.00 each; \$10.00 per doz. Rosea. A strong, symmetrical grower, with good foliage; pink flowers in June. Height, 6 feet. 2 ft., 85c each; \$8.50 per doz.

# Hedge Plants

PRIVET, California (Ovalifolium). Plant 10 to 15 inches apart in double rows, alternating the plants. 18 to 24 inches high, 2-yr. plants, \$6.50 per 100; \$60.00

BARBERRY, Berberis Thunbergi. Of low, dense growth and spreading habit, growing extremely dense right from the base. Requires but little pruning. Leaves bright green. The branches in the fall are covered with bright red berries. Plant 8 to 12 inches apart in single rows. 12 to 18 inches high; heavy, 55c each; \$5.50 per doz.; \$52.00 per 100. 18 to 24 inches high, heavy, 95c each; \$7.50 per doz.; \$80.00 per 100.



# Johnson's Superb Named Gladioli

This is one of the best of the Summer-flowering bulbs. It is a flower anyone can grow, and is lovely enough to satisfy the most exacting. There is no limit to the range of color—pink, scarlet, crimson, yellow, white and a host of other colors.

Nothing is finer for vases than a bunch of Gladioli. The flo for days, and the buds develop into blossoms after being cut. The flowers will last

Write for prices on Gladioli in lots of one thousand or more. We very in stock many varieties which we have not room to describe here.

GLADIOLUS CULTURE. Free on request, with any order.

ERICA. Its color is a most beautiful soft pink, very much like the "Enchantress" Carnation. The individual flowers are very large and massive. There is no flower which can excel it in effectiveness. Doz., 60c; 100, \$4.00.

ANNA EBERIUS. A little different in color from anything on the market. Dark velvety plum rose, throat deeper shade. Each, 20c; doz., \$1.50; 100 \$14.00.

AUGUSTA. One of the most popular white varieties for cutting. Doz., 75c; 100, \$5.00.

BARON HULOT (Blue King). Good sized flower, well arranged on straight spikes. Dark violet bordering on blue. Each, 15c; doz., \$1.25; 100, \$9.00.

CHICAGO WHITE. Pure white with crimson carmine on midribs of three lower petals. Each, 10c; doz., \$1.00; 100, \$6.00.

EVELYN KIRTLAND. The flowers are a beautiful shade of rosy-pink, darker at the edges fading to shell-pink at center, with brilliant scarlet blotches at the edges, fading to shell-pink at center, with brilliant scarlet blotches on lower petals. Entire flower showing a glistening sparkling lustre. Each, 15c; Doz., \$1.50; 100, \$10.00.

Beautiful deep golden-yellow, large pure flowers. Each, 20c; doz., \$2.00; 100, \$15.00.

HALLEY. Delicate salmon pink predominates with a slight rosy tinge. Lower petals have a creamy blotch with a bright red stripe in center. Each, 10c; doz., \$1.00; 100, \$6.00.

HERADA. New variety and new color in Gladioli. Blooms of immense size on tall straight spikes. Massive in every way. Blooms are pure mauve, glistening and clear. Unusually striking and attractive. Each, 20c; doz., \$2.00; 100, \$15.00.

KUNDERDI GLORY. A delicate cream pink, each lower petal having an attractive crimson stripe through the center. Prettily ruffled and fluted. Each, 15c; doz., \$1.50; 100, \$10.00.

L'IMMACULEE. Pure white, long spike of many flowers open at one time, very early; one of the best of the white varieties. Each, 15c; doz., \$1.50; 100, \$10.00.

LE MARECHAL FOCH. A new Holland variety—seedling of America—delicate pink with enormous wide open flowers—very early; a grower and heavy propagator. Each, 15c; doz., \$1.50; 100, \$10.00.

VELINESS. Flowers very large and open on a long spike, well placed. A clear creamy white, slightly suffused, apricot in the throat. Each, 20c; doz., \$1.75; 100, \$14.00. LOVELINESS. Flowers very

MRS. DR. NORTON. Very large and well opened flowers, well set on a tall and graceful spike, four to eight flowers in bloom at one time. White, the edges suffused with soft La France pink. The three lower petals have a blotch of sulphur-yellow, stained at the base with fine specks of Tyrian pink. A strong, vigorous grower and very free flowering. Each, 25c; doz., \$2.50.

AR. Deep blood-red shaded crimson-black; very tall and conspicuous. The best Gladiolus of this beautiful shade of red. Try it. Each, 15c; doz., \$1.25; 100, \$9.00.

WILLY WIGWAM. Blush white, dark blotch, fine form. Each, 10c; doz., \$1.00; 100, \$8.00.

JOHNSON'S BLUE RIBBON MIXTURE. Wonderful colorings are to be found in this assortment of varieties made up from the choice named sorts we list. We believe the mixture is unexcelled. All are of the best blooming size and are first quality bulbs in every respect. We cannot recommend it too highly. It will please the most critical buyer. Doz., 60c; 100, \$4.50; 1000, \$40.00.

25c; doz., \$2.50.

Always arouses comment and admiration, both for size of flower and beauty. Its color is a light scarlet, very large flowers, usually measuring from 2½ to 4 inches in diameter. Each, 10c; doz., 75c; 100, \$5.00.

RS. FRANK PENNY 10.

MRS. FRANK PENDLETON. One of the finest Gladioli of the present time. In color it is the most exquisite salmon pink with a very conspicuous blood-red blotch in the throat on the lower petals. Very strong, growing from four to six feet. Each 15c; doz., \$1.25; 100, \$7.50.

IAGARA. A delightful cream shade with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine and the lower ends of the outside petals are also blushed with carmine. Each, 10c; doz., \$1.00; 100, \$8.00. NIAGARA.

mine. Each, 10c; doz., \$1.00; 100, \$8.00.

PANAMA. An excellent variety and a great improvement on the original America, being a somewhat deeper pink. Spikes are long, flowers large and well arranged. Each, 10c; doz., \$1.00; 100, \$8.00.

PEACE. A beautiful white, while interior petals are feathered pale lilac. Not an early bloomer, but if planted with other varieties will flower about the time they are finished. Each, 15c; doz., \$1.25; 100, \$9.00.

PINK PERFECTION. Very large blooms of fine form, of a beautiful shade of apple blossom pink, similar in color to Carnation Enchantress. Each, 20c; doz., \$1.75; 100, \$12.00.

color to Carnation Enchantress. Each, 20c; doz., \$1.75; 100, \$12.00.

PRINCE OF WALES. Delicate salmon rose of great value. Each, 15c; doz., \$1.50.

PRINCEPS. Brilliant scarlet-crimson, white blotch on lower petals. Very large sized flower of brilliant coloring, borne on strong spikes of medium height. Each, 15c; doz., \$1.50; 100, \$10.00.

SCHWABEN. The flowers are a pure canary yellow, shading to a sort of sulphur yellow when opening; the golden yellow center is blotched with a brilliant brownish carmine. Each, 15c; doz., \$1.25; 100, \$8.00.

SULPHUR KING. The most valuable yellow variety in general use. It produces a very long spike of beautiful clear sulphur yellow, the finest and purest yellow sort. Each, 25c; doz., \$2.50.

# New and Rare Primulinus Hybrids

Primulinus Hybrids are distinguished mainly for their fine and various shades of yellow, orange, and saffron tones. The flowers are borne on graceful stems and when cut are of splendid decorative value.

ALICE TIPLADY. Primulinus species X yellow Kunderdi. A grand, large Primulinus of the most beautiful orange saffron. Very choice. Each, 25c; doz., \$1.50; 100, \$10.00.

MAIDEN'S BLUSH (Hybrid). Exquisite blush-pink; flowers finely formed on long straight stems; free flowering; about 50 per cent produce two flowers. Each, 15c; Doz., \$1.50; 100, \$10.00.

SOUVENIR (Hybrid). Pure canary-yellow; very much admired; early, good forcer. Each, 30c; doz., \$3.00; 100,

PRIMULINUS HYBRIDS. Most pleasing self colors that vary from pale yellow to bright salmon, apricot, and light scarlet. These graceful flowers are of medium size, of a distinct hooded style and with prominent veinings on the petals. Mixed colors only. Doz., 85c; 100, \$6.00; 1000, \$55.00.

# **DAHLIAS**

We have selected the best of each class. Price quoted includes free delivery. Because one Dahlia costs a great deal more than another, does not necessarily mean that it is a better Dahlia, but that it is scarcer. Some of the finest Dahlias are low-priced because they are plentiful.

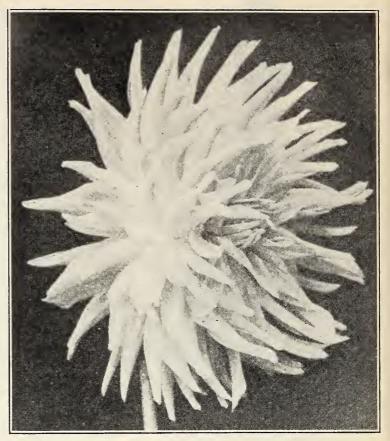
We offer the following very carefully selected list of Dahlias. After careful trials by a Dahlia expert, we are sure all will be found highly satisfactory in every respect.

# Cactus Type

- ATTRACTION. Entirely distinct. Immense formal flowers with broad petals coming abruptly to a point; color a beautiful lilac-mauve. Stems are very heavy, and the flowers held rigidly upright. Although of delicate color, this is one of the three most striking varieties we grow. 75e each; 6 for \$4.00.
- COUNTESS OF LONSDALE. A peculiar but pleasing blending of samon pink and amber, a color difficult to describe. Blooms freely under all conditions. Each, 30c; doz., \$3.00.
- KALIF. A giant type of impressive character and brilliance. Its evenly disposed rays are broad at base with long, tubular quills; the center a noticeable compact tuft. Color vivid turkey red. 50c each; \$4.50 per doz.
- LAWINE. A beautifully formed flower of large size; Pure white, with a suggestion of blush at center. One of the best White Cactus for cutting. 25c each; \$2.50 per doz.
- STANDARD BEARER. Bright pure scarlet. Flowers large, thick and full to center; of symmetrical and perfectly round form, petals semi-quilled. Extra productive and one of the best red cut flowers. 35c each; \$3.00 per doz.
- SEQUOIA. Large, golden bronze; fine form, long stiff stems. A strong grower and profuse bloomer. One of the best. Each, 35c; doz., \$3.00.

# Show Type

- MRS. WELLESLEY. An old time favorite; creamy white, heavily tipped solferino and crimson. A charming bowl-bouquet subject; unmixed. Each, 25c; doz., \$2.50.
- MAUDE ADAMS. An early and very free blooming sort, on the order of Susan, but larger and less globular. Very dainty; white, with a slight lavender suffusion inclined to focus a center. Each, 35e; doz., \$3.50.
- A. D. LIVONI. Warm, rose-pink; perfect flowers, with quilled petals which nearly overlap at the ends. New kinds come and old kinds go, but Livoni can never be spared from a Dahlia list, selected for popular cut flowers. Each, 25c; doz, \$2.50.
- CUBAN GIANT (Giant). Flowers 6 to 7 inches in diameter, dark, glowing crimson-shaded maroon. A tall, strong grower with projecting flower stems. Each, 30c; doz., \$3.00.
- PURPLE PENELOPE. Fine purple Penelope (variegated). Each, 25c; doz., \$2.50.
- RED HUSSAR. Tall, bushy, upright; a handsome landscape variety, or for one color bouquets. Of rigidly formal show type; its medium sized flowers gleam like rubies at pleasing intervals, above a setting of very dark green, crinkled foliage; unrivalled among its fellows. Each, 25c; doz., \$2.50.
- C. W. BRUTON. Clear yellow, large flower; sturdy habit.. Each, 25c; doz., \$2.50.
- PRINCESS VICTORIA. Large, round, fully quilled flowers of perfect form and soft, rich yellow color. This and the next variety are dependable, year after year, for a good show of unadulterated yellow. Each, 25c; doz., \$2.50.
- HECTOR. A beautiful shell pink; you should not miss this in your collection. Each, 35e; doz., \$3.00.
- SNOWBALL. Blush white, bell-shaped, borne on strong stem. Each, 35c; doz., \$3.00.
- VARIEGATED RED AND YELLOW. Name speaks for itself. Each, 20c; doz., \$2.00.



Cactus Dahlia-"Attraction"

# Decorative Type

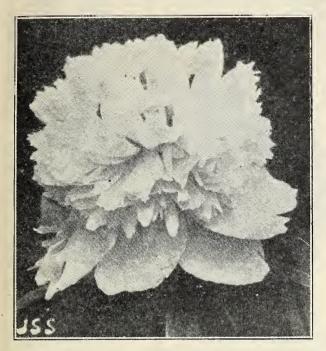
- JACK ROSE. Brilliant crimson red, similar in shade to the popular "Jack" Rose; perfect for garden decoration and cutting. Each, 35c; doz., \$3.00.
- DELICE. One of the daintiest; almost transparent, yet of firm texture, perfect form and rich color. A warm tone of lilaceous pink, overlaid with white; the full center shaded a deeper hue and each petal point just nicked with silver. Each, 25e; doz., \$2.50.
- HENRY PATRICK. Very fine white, tall growing, profuse flowerer. Each, 50c.
- BONNIE BLUE. The nearest approach to a blue Dahlia. Perfect, full, round and short quilled, a very desirable cut flower. Each, 50c; doz., \$4.50.
- ELDORADO. Rich yellow, tall growing and a free bloomer. Each, 30c; doz., \$3.00.
- EVENTIDE. A splendid flower of perfect form and large size, on long, stiff stems, and which for all purposes may be termed a white Dahlia, there being but a faint flush of delicate rose on the edge of the flower. Each, 50c; doz., \$5.00.
- THOMPSON. Very large, full petaled, somewhat recurved; brilliant scarlet. Each, 25c; doz., \$2.50.
- WILLIAM AGNEW. Rich, dazzling carmine-red. Each, 35c; doz., \$3.00.
- SYLVIA. Soft, pleasing mauve-pink, changing to white in the center; a fine cut flower. Each, 35c; doz., \$3.00.
- REMINGTON. A fine shade of light pink; free bloomer. Each, 25c; doz., \$2.50.
- BLACK BEAUTY. Very deep maroon, nearly black. Fine grown with other varieties. Each, 35c; doz., \$3.00.

# Single Type

- WILD FIRE. Growth tall and compact, with ornamental foliage. Flowers are round and close petaled, of fair size; intense scarlet touched at center with gold. Each, 20c; doz., \$2.00.
- FRINGED PINK CENTURY. Bright pink single flowers of good size, petals charmingly fringed. Each, 50c; doz., \$5.00.

# HERBACEOUS PEONIES

Those of our customers who are fond of the old-fashioned "Pineys" of grandmother's garden will be even more delighted with the modern marvels which the skill of the hybridizer has given us. These are not any more difficult to grow than potatoes. Plant in good deep, rich soil so that the crown of the plant is about 2 inches below surface. Mailing weight, 16 ounces each root.



Double Herbaceous Peony

# Johnson's Excelsior Double Pearl **TUBEROSES**

One of the most fragrant and most popular of the Summer flowering Bulbs. Easily recognized by its fragrance and beautiful flower spikes, which are borne on long stems, making it an admirable cut-flower for house decorations. Plant in open ground after the first day of May. If started in pots and then transplanted to open ground can be had much earlier. Mailing weight: 1 lb per doz., 5 lbs. per 100. Parcel Post Rates, see page 3.

#### MAMMOTH BULBS

Mammoth Excelsior Dwarf Pearl Tuberoses are a special selection which we have perfected after years of reselecting and improving. This mammoth strain is positively the highest type of Tuberoses. The kind to grow if you desire prize blooms. Prices: 15c each; \$1.50 doz.; prize blooms. I \$8.00 per 100. First Size Bulbs.

These are choice, selected stock, free flowering, which are borne on long stout stems. They are the kind that are ordinarily sold for Mammoth bulbs. Prices: 10c each; \$1.00 per doz.; \$7.00 per 100.

#### Caladiums

Esculentum (Elephant-ear). Unequaled as a foliage plant. The leaves are shield-shaped, bright green, often measuring 3 feet or more in length and breadth. Very imposing in appearance when developed. Need very rich soil and an abundance of water. Extra Large. 11 to 12 inches in circumference. 40c each; \$4.00 per doz. First Size. 9 to 11 inches in circumference. 30c each; \$2.75 per doz.; \$17.50 per 100. Second Size. 7 to 9 inches in circumference. 15c each; \$1.50 per doz.; \$10.50 per 100. Third Size. 5 to 7 inches in circumference. 10c each; 90c per doz.; \$7.50 per 100.

#### Cinnamon Vine

Hardy climber with dark green foliage, and bearing a profusion of small white flowers of delicious fragrance. 10c each; 90c per doz.

### Madeira Vine

A rapid-growing climber, bearing graceful racemes of fragrant white flowers; of great value for covering porches and arbors. 15c each; \$1.50 per doz.

Albatre. Large, compact, globular rose type. Petals edged milk-white with fine line of lilac. Strong grower and free bloomer. \$1.00 each; \$10.00 per doz.

Dorchester. Large, compact rose type; pale pink; fragrant. Free bloomer. Dwarf. 75c each; \$7.50 per doz.

Duchesse de Nemours. Medium size. Sulphur-white. Free bloomer and strong grower. 75c each; \$7.00 per doz.

Edulis Superba. Deep rose-pink with lighter shadings. The earliest variety in our collection. 75c each; \$7.50 per doz.

Eugenie Verdier. Pale hydrangea-pink flecked with crimson. \$1.25 each; \$12.00 per doz.

Felix Crousse. Large; globular; brilliant red. Free bloomer. One of the best red Peonies. \$1.00 each; \$10.00 per doz.

Festiva Maxima. Very large; white. Vigorous grower. One of the best whites. 75c each; \$7.50 per doz.

Golden Harvest. Peach-blossom pink with creamy-white center. \$1.00 each; \$10.00 per doz.

the best whites. 75c each; \$7.50 per doz.

Golden Harvest. Peach-blossom pink with creamy-white center. \$1.00 each; \$10.00 per doz.

Jeanne d'Arc. A choice variety notable for its exquisite perfume and other good cutting qualities. Guards pale lilac-pink, with full tufted center of sulphur-white. \$1.00 each; \$7.50 per doz.

La Tulipe. Very large globular flesh-pink, shading to ivory-white; center petals tipped carmine. \$1.00 each; \$10.00 per doz.

Mme. de Verneville. Broad sulphur-white guard petals and compact white center; touched carmine. \$1.00 each; \$10.00 per doz.

Mme. Ducel. A very perfectly formed globular flower of a bright silvery pink, with salmon shadings and silvery reflex. \$1.00 each; \$10.00 per doz.

Mile. Leonie Calot. Delicate rose with lilac-pink center. Good grower. Medium tall. 75c each; \$7.50 per doz.

Riehardson's Rubra Superba. Deep carmine or crimson. Fragrant. Good grower. Very late. \$1.00 each; \$10.00 per doz.

# Large Flowering Cannas

For grouping on lawns, or for large beds, no plants are more effective. They bloom soon after planting. We offer the following choice varieties. Foliage green where not noted.

Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower, and these shoots are being constantly produced throughout the season.

All varieties, except where noted, 15c each; \$1.50 per doz.; \$10.00 per 100. Mailing weight, 3 oz. each; 2 lbs. per doz.

Allemania. Rich red, yellow border. Height, 5 feet.

City of Portland. 3½ feet. Distinct among the several really worth-while pink Cannas. A deep pink which does not fade during the hot weather. A free bloomer, with flowers borne well above the foliage. 30c each; \$3.00 per doz.; \$18.00 per 100. Duke of Marlboro. An attractive deep brilliant crimson. 4 feet. Eureka. The best white for massing, very free and of fine habit.

4½ feet. King Humbert. Bronze foliage. Flowers of a brilliant orange-scarlet, with bright red markings. 5 feet.

Yellow King Humbert. Foliage dark green. Flowers a deep rich yellow, spotted and blotched with bright red.

Madame Crozy. Vermilion with gold border, 3½ feet.

Queen Charlotte. Rich pomengranate-red, bordered with golden yellow. 3 feet. yellow. 3 feet. Richard Wallace.

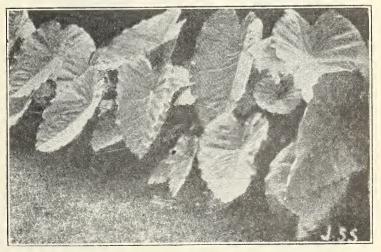
Richard Wallace. Beautiful golden yellow. 4½ feet.

Shenandoah. Rosy-pink flowers. Foliage rich reddish-bronze. 4 feet.

Color soft rosy-pink, with a mottled border of creamy-Venus. yellow.

Wintzer's Colossal. 5 feet. The largest-flowered Canna. Vivid scarlet.

Brilliant orange. Purplish-bronze foliage. 6 feet. Wyoming.



Caladium (Elephants Ears)

# JOHNSON'S SELECT SMALL FRUITS

SMALL FRUITS. Owing to the fact that it is best to transplant hardy fruits as soon as possible after they have been taken from the soil, we have found that it is much more satisfactory all around for our customers to leave their orders, and we will have them packed separately at the nursery. They will be delivered to the purchaser in much better condition than if we tried to carry a complete stock at our store.

At the prices we quote we do not guarantee nursery stock, and will make no replacements. We de-liver stock in good condition, and therefore cannot be responsible for improper planting nor adverse growing conditions.

# Six Luscious Strawberries

A selection of perfect flowering, well-tried standard sorts, which combine in the highest degree all the qualities looked for in high-grade berries, and no amateur will go wrong in limiting his plantings to the sorts will go wro

(Mid-season). Highly recommended by reliable

here offered.

Big Joe (Mid-season). Highly recommended by reliable growers, and our own experience justifies us in endorsing all that has been said in its favor. The plant is unusually vigorous; the fruit is large of exquisite flavor, and produced freely on strong stems held well above the ground.

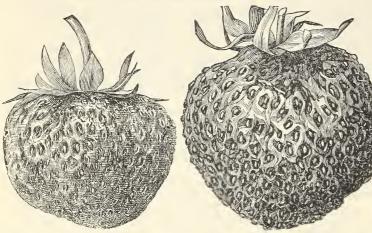
Gandy's Prize (Late). The standard late variety, which has held its own for many years. It is a strong, healthy grower. The berries are borne on long strong stalks, well above the ground.

Premier (Very Early). The money-making king of all extra-early varieties. The berries are large, beautifully formed and bright red all the way through. It is delicious in flavor.

Senator Dunlap (Mid-season). A good variety for the amateur. The fruit is bright red with a glossy finish shading to a deep scarlet on the the underside. The flesh is bright red all through, and exceedingly juicy. Plants produce a heavy crop of fruit, and berries hold up well in size clear to the end of the season.

William Belt (Early). Of all berries grown this variety excels in popularity. The plant is a vigorous grower, succeeds upon almost all soils, invariably yields heavily and the berries are always of large size and highest quality, its flesh it solid and deep crimson in color.

Price. Any of the above varieties in strong layer plants, 50c per doz.; \$2.00 per 100; \$15.00 per 1000.



Big Joe

Superb Everbearing

# FIVE BEST HARDY GRAPES

Catawba. Red, sweet and rich, with pleasant musky flavor

Concord. The most popular black grape; succeeds everywhere.
Moore's Diamond.

Greenish white, with rich yellow

tinge.

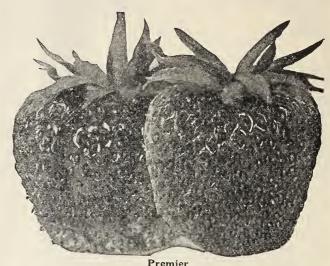
Moore's Early. Large, black; good quality.

Niagara. Berries large, light greenish-white; slightly ambered.

rice: Strong selected two-year-old vines, 60c each; \$6.00 per doz.; \$35.00 per 100.

#### CURRANTS

Black Naples. Large black for preserves. Cherry. Large, red, popular sort.
Fay's Prolific. Largest and finest red.
Perfection (New). Color, red; larger that Cherry. Each, 45c; doz., \$4.50; 100, \$34.00. than Fay and Cherry. Each, 45c; doz., \$4.50; 100, \$53.00. rice: Each, 40c; doz., \$4.00; 100, \$30.00, except where Price:



# Autumn-Fruiting or Everbearing Strawberries

The Everbearing Strawberries have now become just as important a part of the garden as the standard early fruiting varieties.

as important a part of the garden as the standard early fruiting varieties.

After careful trials we have selected the two varieties offered below as the most desirable. Under ordinary conditions they produce their main crop of fruit at the same time as other varieties and keep on bearing until frost. The proper plan is to cut off all buds as they appear until late in July, and thus conserve the strength of the plants for the fall crop. Treated in this way an abundant crop of berries may be looked for during September and October, or if the disbudding of parts of the plants is discontinued late in June an almost continuous crop of this luscious fruit may be secured throughout the growing season. Good cultivation is essential to bring about the best results, a liberal mulching during the summer is beneficial, and the plants should not be allowed to suffer for lack of water at any time.

Price: Either of the Everbearing varieties, 75c per doz.; \$3.00 per 100; \$25.00 per 1000.

Progressive. The most prolific fruiting of this type; berries of fair size and produced in great abundance; they are of an attractive deep, glossy crimson color and of good flavor.

Superb. The fruit is very large, glossy dark red color, particularly firm and of choicest quality. The Superb is the largest Fall Strawberry.

The Strawberry plants offered on this page are Layer Plants, and are for Spring Delivery. Pot-grown Plants will be Ready in August.

## **BLACKBERRIES**

Blackberries respond generously to good treatment. They prefer a deep soil, inclining to sand, but will grow and fruit almost anywhere.

El Dorado. One of the best, large, sweet and tender; very hardy.

Snyder. One of the oldest and still one of the most nonler.

popular. \$1.25 per doz.; \$8.00 per 100; \$60.00 per 1000.

#### RASPBERRIES

Raspberries will succeed in any soil that will grow good corn. For best results the old wood should be cut just as soon as the crop has been gathered.

Cumberland. A large black cap of exceedingly fine

Cuthbert Cuthbert. Large, deep, rich crimson. Price: \$1.25 per doz.; \$8.00 per 100; \$60.00 per 1000.

NOTE .- All Bulbs, Roots and Plants are forwarded by Express, purchaser paying charges. If wanted by Parcel Post add 10 per cent. to value of order.



Auto-Spray No. 1

# SPRAYERS AND DUSTERS

# Auto-Spray No. 1—Compressed Air

The Auto-Spray No. 1 is the strongest and most simple in its working parts of any compressed air sprayer. Two pumpings of about 15 strokes on the plunger will discharge the contents under high and constant pressure. After pumping, the operator has nothing to do but direct the spray. This sprayer is equipped with our patented Non-Clogging Nozzle.

\*\*USES: For spraying trees, shrubs, vines, field crops, greenhouses and poultry houses; for applying Paris green, arsenate of lead, bordeaux, lime and sulphur emulsions, disinfectants, cattle-fly oil, whitewash, cold water paints, etc.

\*\*CONSTRUCTION:\*\* It consists of a solution tank holding 3½ gallons. The tank is made of galvanized steel or heavy sheet brass, as ordered. (We strongly recommend the Brass, because it will not corrode with strong solutions, and will last indefinitely.) The Sprayer is carried by a shoulder strap, and will cover ten times more area in a day than can be covered with the old style sprayers.

day than can be covered with the old style sprayers.
Auto-Spray No. 1B—Brass tank with auto-pop
Auto-Spray No. 1D—Galvanized tank, with auto-pop
Two-row Attachment—For spraying two rows at one time
Brass Extension Pipe—Two feet long
Brass Elbows—For spraying under vines, etc
Brass Strainer—For straining solution. 1.20

# Bucket Sprayer

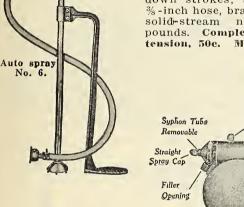
AUTO-SPRAY No. 6, as shown herewith is probably the most powerful bucket pump manufactured. This sprayer can easily generate a pressure of 200 lbs. The pump sprays perfectly on both the up and down strokes; 31/2 feet of high-pressure %-inch hose, brass, fine spray nozzle, brass solid-stream nozzle. Mail weight, 7 pounds. Complete, \$5.50. 2 ft. Brass extension, 50c. Mail weight, one pound.

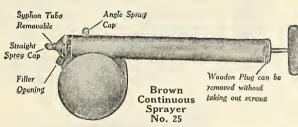
# Hand Sprayers



AUTO-SPRAY No. 22. (Shown above.) For all kinds of small spraying and disinfecting. This atomizer is made of heavy tin and holds one quart. Price, 60c.

# Brown Continuous Sprayer No. 25





Sprays fly oils and disinfectants as well as the regular spraying materials. An extra nozzle is furnished for spraying under side of the foliage.

Brown's Sprayer No. 25-A-one quart, all tin ......\$1.00 Brown's Sprayer No. 25-B—One quart, tin pump, galv. tank........... 1.25

Brown's Sprayer No. 25-C-One quart, tin pump, brass tank.....

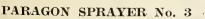
Brown's Sprayer No. 25-E-1/2 gallon, tin pump, brass tank....

# Paragon Sprayers

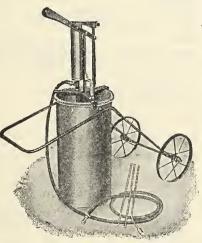
Paragon Sprayers are good investments. They pay large dividends. Better and more fruit.

These cuts show the simplicity of the pump, also the strainer and agitator. No other pump can show this feature. This pump is strong, simple and durable. Can easily be handled by one man.

The Paragon Sprayer will develop a pressure of 150 to 250 pounds.



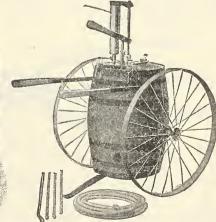
Price, \$25.00—Capacity, 12 Gallons EQUIPMENT: 10 feet Special Spray Hose, 7½ feet Extension Pipe, 1 Mist Nozzle, 1 Steel Cap, 1 Straight Spray Nozzle.



Paragon Sprayer No. 3



Paragon Sprayer No. 5



Paragon Sprayer No. 4

PARAGON SPRAYER No. 5

Price, \$45.00—Capacity, 50 Gallons EQUIPMENT: 25 feet Special Spray Hose, 10 feet Extension Pipe, 1 Three-Way Spraying Nozzle, 1 Single Spraying Nozzle.

PARAGON SPRAYER No. 4

Price, \$39.50—Capacity, 28 Gallons EQUIPMENT: 20 feet Special Spray Hose, 10 feet Extension Pipe, 1 Mist Spray Nozzle, 1 extra Steel Cap, 1 Straight Spray. Special

# MISCELLANEOUS GARDEN REQUISITES

We will mail any of the following articles that we can, provided postage is remitted with order. Some articles will be postpaid and you will find them so marked. Prices quoted are subject to change without If you wish articles not listed on the following miscellaneous pages, write us, we will gladly procure them for you if they are not in stock.

Prices. In the present re-adjustment period prices are inclined to drop. If there are any reductions from prices quoted in this catalog we assure our customers they shall have the advantage.

ASPARAGUS BUNCHER. Philadelphia No. 1. Without knife. Makes bunches 3 to 3½ inches in diameter. Each (2 lbs.), \$3.50.

ASPARAGUS or CELERY TAPE. Red or Blue in spools of 1,000 yards. Fast colors. Makes bunches very attractive for the best trade. Price subject to change. Per spool (2 lbs.), \$3.00. Red or Blue in spools

APRONS, GARDENERS' RUBBER. Heavy, \$2.50. Lighter weight rubber (1 lb.), \$1.25.



ASPARAGUS KNIFE or LAWN WEEDER. Drop forged blade. Birch handle, 15 inches long. Weight, 1 lb. Each, 65c.

LL HOOKS, ENGLISH. For trimming shrubbery. Weight, 4 lbs. Price: Short handle, \$4.50; long handle, 86.50.

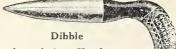
BELLOWS.

Sulphur. For Price, \$4.00. For applying sulphur, Hellebore, etc., to plants.

Woodason's Double Cone Powder. For dusting plants with dry powders for insects and fungus. The best article ever invented for destroying insects in the conservatory, garden, orchard or field. Price, \$6.75.

Woodnson's Single Cone. Large size, Price, \$4.75; small size (for conservatory and home use). Price, \$3.50.

CORN KNIVES. For cutting down cornstalks. Each, 90c.



DIBBLE. Iron handle; steel point. Each, 60c; 5 or more at 55c.

For distribut-ACRE-AN-HOUR. ing insecticides, etc. 2½ quarts. Each, 75c.

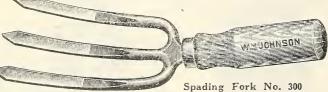
USTERS. Vermorel. For Market Gardeners. Single, each, \$20.00; Double, each, \$25.00. DUSTERS.

EDGING KNIVES or TURF EDGERS. Ame blade. Hard wood handle. Each, \$1.00.

FLOWER POTS. (See Pots, page 61.)

FORKS, POTATO DIGGING or MANURE DRAG. 4 tines. Each, \$1.50.





FORKS, SPADING. No. 300 all, 11 inches. Each, 55c. 300. Well made. Length over

ORKS, SPADING. No. 400. Finished Hardwood handle with brass ferrule. over all, 10 inches. Each, 35c. Finished in red enamel. ferrule. 4 tines. Length

FORKS, MANURE. Strapped ferrules. 6 tines. Each, 82.25.



FORKS, SPA Each, \$2.00. SPADING. All steel with strapped ferrules.



Spading Fork No. 400

FUMIGATING LAMPS. For vaporizing Nicotine. 75c.

ARDEN LINE. White, glazed. Superior to Italian Hemp garden line. 48 feet weighs 6 ounces. 48 feet, GARDEN LINE.

GARDEN LINE REELS. With stake. \$2.50.



GLASS CUTTER. No. 1, Turret Head, Tested. (4 oz.) Each, 50c.

GLASS CUTTER. Red devil. Each, 25c, postpaid.

"PEERLESS" GLAZING POINT. (Improved Van Reyper.) Patented Mar. 26,1901

The Peerless Glazing point is the only perfect Point known.
The latest improvement is that both ment is that both points are beveled on top and will hug close to glass when driven. Three sizes, close to glass when driven. Three sizes, No. 1, for small single thick glass; No. 2, for medium double thick glass; No. 2½, for large double thick and Skylight glass.

Price, per 1,000, 75c; postpaid, 90c. 5,000, \$3.50, by express.

GRAFTING WAX. 1/4 lb., 15c; 1/2 lb., 30c; lb., 50c.

GRASS EDGER, AMERICAN. 9-inch blade, \$1.00.

HANGING BASKETS. Galvanized wire. 8 inch, 35e; 10 inch, 45e; 12 60e; 14 inch, 75e; 16 inch, 85e.





aby Warren. For transplanting, making and covering drills in flower beds, and weeding. Excellent for scraping young trees. 4½ inch blade...... Baby Warren. 4½ inch blade....... \$0.55

Combination Draw Hoe and Rake, with 5 foot handle, 4½ inch cut, 4 teeth..... 

Draw or Field. 6, 7 and 8 inch blades................. 1.00

agic Weeder Hoes. Strong and durable, spring teeth. Light and easy to use; very popular. Short Handle, 3 teeth, 20c; 4 teeth, 35c; 4 teeth, 1½ inch blade on back for use as a hoe, 45c. Long Handle, 4 teeth, 3 inch blade on back, \$1.10; 4 teeth only.. 1.60

Pull Easy Hand Cultivators. Malleable iron and steel frame and teeth; arms easily adjustable to any width row. 18 inches, 9 teeth, 4 ft. handle...... 1.50

Scuffle or Push Hoe with Handle. American. 9 and 10 inch, 90c; 7 and 8 inch, 75c; 6 inch.....

Warren. Heartshaped Hoe; 5 foot handle.......... 1.25

HOTBED SASH. Unglazed. Four rows glass 8x10 inches square. Each, \$3.00. Cypress, knock down, five for square. \$15.00.

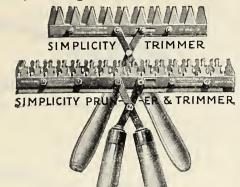
# MISCELLANEOUS SUPPLIES—Continued

## Simplicity Hedge Trimmer

# SIMPLICITY HEDGE PRUNER AND TRIMMER

With this tool you can actually do as much work in one hour as you formerly did in four hours with the old style pruner or lopping shears.

SIMPLICITYS are made of the Finest High Grade Carbon Steel and will give you long service and satis-faction.







Pruning Knife

KNIVES, ASPARAGUS or WEEDING. (See page 60.)
KNIVES, BUDDING. Saynor's. One blade straight or
curved. Each, \$4.25.
KNIVES, PRUNING. Field's Staghorn handle. Each, \$2.75.
KNIVES, PRUNING. Ivory handle. Each, \$1.00.
KNIVES, PROPAGATING. Ivory handle. Each, \$1.00.

Simpley.

PLANT AND POT LABELS. Mark your plants and know

the particulars about them.

Simplex. Slide transparent cover to one side, mark with ordinary lead pencil. Replace cover, pass wire through both holes and attach.

Including Copper Wires for Attaching:

	copper wites for Attaching.	
**	Doz.	100
No. $1-3x\frac{1}{2}$ inches		\$2.50
No. $2-4x\frac{3}{4}$ inches		4.50
Dat I abala	3%,000	
rot Labels	Wired Tree Label	
Pot Labels.		
*** 1		

4 to Ginch Pot Label

8 to 12 inch

Wooden. Painted 100

4 in...\$0.30 \$1.70 5 in....40 2.00 6 in....50 2.75 Garden Labels. Painted 1000 in....\$1.30 in.....1.90

Garden Label Tree Labels. Wooden 3½ in., 3½ in., 1000 in., iron wired ....45c in., copper wired ...50c  $\frac{$2.75}{2.90}$ 

10.00



mastica. For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, \$2.75.

MASTICA MACHINE. For applying above. (Weight, 1½ pounds).

MOSS, LOG, GREEN. Per bag, \$3.00.
MOSS, SPHAGNUM, DRIED. Bale, \$2.50;
5 bales, \$11.75.
MOLE TRAP, THE REDDICK. A powerful
trap used principally on lawns; easily set.
Made of galvanized iron. It will catch
moles when they are quite deep in the
ground. As the points of the pins are
constantly in the ground, they cannot injure domestic animals. Each, \$1.25; per
doz., \$11.00.



Used for potting Orchids. OSMUNDINE FIBRE. bag, \$3.50.

PAPER, for Wrapping Flowers.

\$2.25 



#### Flower Pots and Saucers

CLAY FLOWER POTS. Prices for Standard, Low or Azalea Styles. Size \$ 0.20 .25 .30  $\frac{1.25}{1.55}$  $$11.25 \\ 15.00$ inch \$ .03 inch

inch  $\frac{.42}{.70}$ 3.00 inch inch inch 81.00  $\frac{1.75}{2.75}$ inch . . . . . 20.00 inch 46.00

CLAY SAUCERS \$ 2.25 \$0.40  $\substack{5.00 \\ 6.00}$ inch ...... 7 inch 8 inch 9 inch 10 inch 11 inch 12 inch 14 inch 9.00 12.00  $.20 \\ .25$  $\frac{14.55}{17.90}$ 

NEPONSET PAPER POTS. Made of water-proof paper; light, clean and unbreakable. Size 

 Size
 \$0.15

 2½ inch
 22

 3 inch
 22

 3½ inch
 25

 4½ inch
 35

  $\frac{5.50}{7.20}$ inch inch inch 1.60 12.00

FIBRE SAUCERS. Far cheaper in the end than earthern-ware. Extremely desirable on account of being absolutely waterproof.

Parcel Post Weight Each Each \$ 3.60 3.90 4.20 \$0.35 ¼ lb. ¼ lb. inch inch inch 4.90 6.30 1.41 lbs. 15.00 20 inch.....

ROLLING STANDS FOR FIBRE SAUCERS. Heavy plants can be pushed around from place to place as easily as a light table.

.\$1.25 \$11.40 25.65

PUTTY. Twemlow's Old English. Semi-liquid. Per gal.,

MASTICA. Liquid Putty. Per gal., \$2,75.

PUTTY BULB. Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight, 1½ lbs.) Each, \$1.50.

RAFFIA. Lb., 25c; 5 lbs., \$1.00.

# **MISCELLANEOUS SUPPLIES—Continued**



RAKES. Wire and Steel.

Wire Lawn or Grass. Heavy tinned steel, reversible.

24 teeth, S5c; 36 teeth, \$1.25.

Lawn and Garden. Made of the best cast steel. 12 teeth,

\$1.10; 14 teeth, \$1.25; 16 teeth, \$1.40.

Steel Bow Rakes. 12 teeth, \$1.10; 14 teeth, \$1.20; 16

tecth, \$1.30.

RAKES. Wooden.

RAKES. Wooden.

Ole Olsen Lawn Rake. Has 26 wooden teeth. Head is slightly curved. Hickory wood, \$1.40.

Automatic Lawn Rake. Self cleaning. Made of hard wood; 26 teeth, \$1.50; 38 teeth, \$1.85. Ames Wooden Rakes. 24 to steel bows. Each, \$1.40.



## Pruning Saws



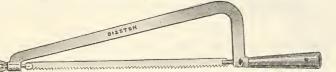
DISSTON PRUNING SAWS

No. 111. Malleable iron haudle. 10 inch blade; adjustable.

2 lbs. Each, \$2.50.



p. 11. For sawing by hand or attached to a pole. Adjustable for different angles. 2 lbs. Each, \$2.00.



o. 10. Pole saw. Socket handle. Adjusta Without pole. 2 lbs. Each, \$2.50. o. 25. Flat steel frame. Beech handle. E blade. 14 inch blade. 2 lbs. Each, \$2.25. Adjustable blade. No. Blued stecl



York State Pruner. Beech handle. Na 20 inches long. 2 lbs. Each, \$2.50. Narrow steel blade

# Cyclone Seeder



A machine which should be on every farm. It is so simple in construction that a boy can use it. It is light, strong and durable, and with ordinary care will last a lifetime. It will sow timothy. clover, millet and grass seeds of all kinds, turnip, corn and all other seeds perfectly even, and any desired quantity from one quart to three bushels can be sown per acre by following the simple directions on every machine. Price, \$2.00, not prepaid. Price, \$2.00, not prepaid. Weight, 5 lbs.

# Shears—Pruning, Hedge, Border

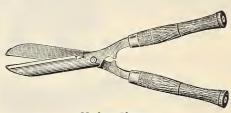
SHEARS, LOPPING. Rhodes' Double Cut Wood Handled Pruner. The most powerful pruner made. Made in three lengths, 20 inch, 26 inch and 30 inch. Each, any length, \$5.00. Shipping weight about 5 lbs. SHEARS, SHEEP or GRASS BORDER. Each, 30c and 50c. SHEARS, PRUNING. Wiss Jr. No. 209. An extra fine quality shear, made of the best steel. \$1.50 each.

SHEARS, PRUNING. Wiss No. 109. The very best shear made. Each, \$4.50.



Wiss Pruning Shears. No. 109

SHEARS, HEDGE. 1 blade. Each, \$1.50. No. 100L. For ladies' use. 6 inch



Hedge Shears

EDGE. No: 100. Forged solid steel. Ste 8 inch, \$2.50; 9 inch, \$3.00; 10 inch, \$3.50. SHEARS, HEDGE. Ferrules.

HEARS, HEDGE. No. 101. Notched with knife edge for cutting heavy growth. Each, 8 inch, \$3.00; 9 inch, SHEARS, HEDGE.

SHEARS, BORDER. No. 104. Without wheel. Forged solid steel. 36 inch handles. Each, 8 inch, \$5.25; 9 inch, solid steel. 36 inch h \$5.50; 10 inch, \$5.75.

SHEARS, BORDER. No. 105. With wheel. Forged solid steel, 36 inch handles. Each, 8 inch, \$5.50; 9 inch, \$5.75; 10 inch, \$6.00.



Grass Border Shears. No. 105

CLYDE TREE PRUNERS. With removable cutting blade and pole complete.

	Each	Each
6 feet	\$2.00 10 fe	eet
		eet
Extra Blades for	Water's Pruners.	25c each.



SHOVELS. Dennis, solid steel, round point, D handle. Each, \$2.00.
SICKLES, for Grass. No. 1, each,
75c. No. 75, each, 60c; No. 5, each,

43c.
SIEVES. Any size mesh; made to order. Extra heavy, 18 inch, \$3.00.
SILKALINE. For stringing smilax, etc. Spool, 35c; 8 spools, \$2.50.
SPADES, STEEL. Best. Each, \$2.00.
SPADING FORK. Best steel. Each, \$1.50 \$1.50.

SPRINKLER, SCOLLAY'S RUBBER.

Each, \$1.50. SYRINGES, BRASS GREENHOUSE. No. 11. One stream, two sprays.



Spading Fork

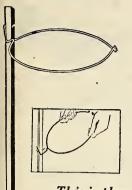
# Plant Stakes and Supports

STAKES, JAPANESE GREEN CANE

							Per doz. I	Per 100
								\$0.75
							25	
							35	
							45	
							6 ft. Doz	., 40c;
							00, \$19.00.	
							per 100, 30	
1,	000, \$2	2.50;	18	inch, p	er 100,	40c; per	1,000, \$3.50	).

## MISCELLANEOUS SUPPLIES—Continued

#### Plant Supports, Stakes



This is the way you adjust it Adiusto

WOOD STAKES. Light tapering, round, painted green

	Per doz.	Per 100
11/2	feet\$0.30	\$1.80
2	feet	3.50
2 1/2	feet	5.00
3	feet	6.50
31/2	feet 1.10	8.00
4	feet 1.35	10.50
5	feet 1.75	13.00

#### ADJUSTO PLANT SUPPORT

Indispensable for Roses, Dahlias, Tomatoes and other plants. Stakes and wires complete.

	Each	Doz.
3	feet\$0.20	\$2.00
4	feet	2.25
5	feet	2.50
6	feet	3.00



WILDER THERMOMETERS are the best and most carefully tested Thermometers made.

reenhouse. Has black Japanned metal case, and has been carefully tested for accuracy. Each, \$1.00, postpaid.

Hotbed. Thoroughly tested; hard wood standard, with solid brass base and protector for the mercury bulb. Each, \$2.25, postpaid.

elf Registering. (Minimum and maximum.) The best. Each, \$6.50, postpaid.

INCUBATOR THERMOMETERS. We have them for any make of Incubator.

o. 1042. Incubator. Length, 4½ in. Black oxidized. Each, \$1.00, postpaid.

o. 1052. Incubator. Length, 4½ in. Black flange on upper edge. Each, \$1.00, postpaid. Black oxidized,

No. 1046, with wire holder. Can be used on any incubator. \$1.00. Without holder, 85c, postpaid.

No. 1096, with adjustable brass legs and wire hangers. \$1.25, postpaid.

BROODER THERMOMETERS. No. wooden post. Length, 10 inches. No. 1122. Mounted ches. \$1.00, postpaid. Mounted on

TORCH. For burning caterpillars' nests. Asbestos, 65c. Peerless kerosene, \$1.25.



JOHNSON'S STEEL TROWELS, No. 211. These are made of one piece steel blade and shank, equal to the imported trowels.

 5 in.
 P. P. Wt.

 6 in.
 1 lb. \$0.65

 1 lb. 75

D. S. T. STEEL SHANK TROWEL.

These are somewhat long in blade and handle, making a very practical tool. 6 in. blade. Will last a lifetime. \$1.10 each. Parcel Post weight, 1½ lbs.

TROWELS, GARDEN. No. 215. English. 6 in. Each, 60c. TROWELS, GARDEN. No. 212. Steel, 6 in. Each, 25c.

TRANSPLANTING TROWEL. Long, narrow steel blade. Each, 25c.

TWINE, JUTE. 2 or 3 ply. Lb., 40c; 10 lbs. at 38c. Ask for prices on larger lots.

#### Plant Tubs





Richmond Style York Style Siz. No. 3 No. 5 No. 7 9 Diam. Diam. Each Size Each 
 Size
 Diam.
 Each
 Size
 Diam.
 Each

 No. 3
 8 inch.
 .\$0.90
 No. 1
 12 inch.
 .\$3.40

 No. 5
 10 inch.
 1.00
 No. 2
 13 inch.
 .4.00

 No. 7
 12 inch.
 1.50
 No. 3
 14 inch.
 5.50

 No. 9
 14 inch.
 2.00
 No. 3½
 16 inch.
 6.00

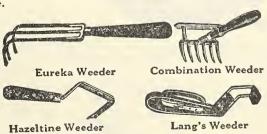
 No. 11
 16 inch.
 2.50
 No. 4
 19 inch.
 7.50

 No. 13
 18 inch.
 3.00
 No. 5
 22 inch.
 9.50

 TREE
 SCRAPERS.
 Best steel, 10 and 20 inch handle,
 No. 9 No. 11 No. 13 \$1.50.



OTHERSPOON'S OVAL or FRENCH STYLE CANS. Like cut herewith. At 75c each, higher than the round WOTHERSPOON'S



WEEDERS. Combination. Each, 40c.

Eureka. Best hand weeder for loosening soil around plants. Short handled. 45c. (Mailing weight, ½ lb.) Hazeltine. Each, 35c. (Mailing weight, 6 oz.)

Excelsior Weeding Hook. can be used to great advantage among small and tender plants. Price, tender plants. Pri each, 15c; doz., \$1.50.



Lang's Hand Weeder. Is in our opinion the best; its special feature is a band which passes over the fingers, which when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price, 25c each.

## MISCELLANEOUS SUPPLIES—Continued





"SAVO"
SELF-WATERING
FLOWER BOXES

Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in green or aluminum.

		F	Height	7	Width	I	ength		J	Price
Model	A,	8	inches,	9 1/2	inches,	23	inches			\$3.00
Model	в,	8	inches,	9 1/2	inches,	29	inches			4.00
Model	C,	8	inches,	9 1/2	inches,	35	inches			4.50
Model	D,	8	inches,	$9\frac{1}{2}$	inches,	41	inches			5.00
Model	E,	8	inches,	12	inches,	12	inches		٠.	3.00
Model	F,	12	inches,	12	inches,	12	inches			3.50

THE CLEVELAND LAWN WEEDER. The curved edge of the blade enters and loosens the soil, pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull suffices to dislodge it without disturbing the surrounding sod. Price, each, \$1.25.



WHEELBARROW,
JOHNSON'S EXCELSIOR. Substantially
made. Length of body,
26½ inches; width of
body, wheel end, 18½
inches, handle end, 23
inches; depth, 12
inches; steel wheel, 20
inch diameter. Weight,
40 lbs. Each, \$8.50.

## LAWN REQUISITES, SPRINKLERS, NOZZLES, MOWERS, ETC.





Ring

RING SPRINKLER. One of the most popular Sprinklers on the market; made of heavy sheet brass with perforations arranged to give rain-like effect. No parts to wear or lose. Mailing weight, 1 lb. Each, \$1.00.



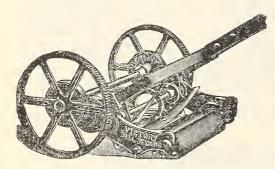
GALVANIZED, STEEL HOSE CLAMP. Made of steel, heavily galvanized by electro process, making it practically rust proof. Gives long service. Each, 4c; doz., 40c, postpaid.



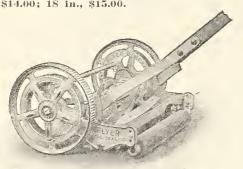
CYCLONE SPRINKLER. Ground joint head. Head and arms finished brass, stem japanned red. Base japanned black with swivel hose connection. One of the most popular sprinklers on the market. Mailing weight, 3 lbs. Each, \$2.25.

UNIVERSAL SPRINKLER. Combination spray and three-arm revolving sprinkler, head and arms brass nickel plated, base japanned black with swivel hose connection. Head perforated, giving more distribution than any other sprinkler. Recommended for heavy pressure. Mailing weight, 3 lbs. Each, \$2.75.

hrass nozzle giving spray, straight stream, and positive shut-off. Spray formed in barrel of nozzle and full circle—spray guaranteed. All nozzles tested by water pressure before shipment. Mailing weight, 1 lb. Each, \$1,00.



TOWNSEND'S "FLYER." Ball bearing. It is the strongest, lightest running mower of its class. Has a 9 in. wheel. 5½ in. reel, 4 blades, crucible steel, oil tempered; lower blade is also crucible steel, oil tempered. 14 in., \$13.00; 16 in., \$14.00; 18 in., \$15.00.

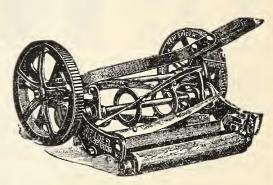


## **LAWN MOWERS**

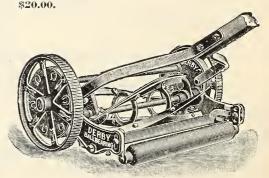
TOWNSEND'S "VICTORY."

Ball bearing. The gears are entirely enclosed so that no dirt or cut grass can get into the pinions and clog them. It has a 10 in. wheel, 5½ in. reel, 4 blades, crucible steel, oil tempered; lower blade is also crucible steel, oil tempered. 14 in., \$19.00; 16 in., \$22.50; 18 in., \$22.00; 20 in., \$22.50

TOWNSEND'S "DERBY."
Ball Bearing. 9 in. wheels, 5½ in. standard reel, 4 blades of oil tempered crucible steel. 14 in., \$17.00; 16 in., \$18.00; 18 in., \$20.00.



"SPIDER." Ball Bearing. 9 in. wheels, 5½ in. reel, 4 blades, all oil tempered crucible steel. 14 in., \$18.00; 16 in., \$20.00.



### **HEADQUARTERS FOR**

## PLANET JR. FARM AND GARDEN TOOLS

Ask for a Copy of Catalog on the Planet Jr. Tools or Better Still, Come to Our Store and Look Them Over

You cannot afford to till the ground without Planet Jr. Tools. They not only save hard labor, but they enable you to cultivate double the acreage in the same time, and thus add over 100 per cent to your crop yield. Invented by a practical farmer and manufacturer—the result of fifty years' Strong, lasting construction; fully We show but a few of these tools guaranteed. here, but complete catalog will be sent on appli-

The name "Planet Jr." has become synonymous with labor-saving among farmers and gardeners everywhere, and they instinctively want the implement that bears the Planet Jr. trade mark.



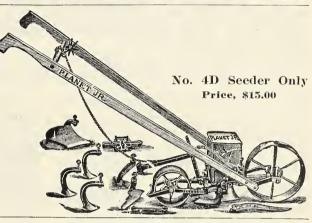


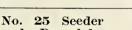
#### No. 4

No. 4 pays for itself in a season and will last for years. Thousands have been sold in this and in many foreign countries.

#### No. 4D

Same as No. 4 excepting that there are no cultivating attach-ments. Can be used as a seeder only.





and Double Wheel Hoe Price, \$22.50

No. 12 Double

Wheel Hoe

Price, \$11.50

#### No. 25

With No. 25 two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the some time with hand hoes.

#### No. 3

No. 3 is a favorite among onion growers, market gardeners and seedsmen



No. 12 The attachments sold with No. 12 are what gardeners use most, and the others can be added as wanted.

#### No. 17

The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.



No. 90 Twelve-Tooth Harrow and Cultivator, Horse Tool



No. 90

The chisel-shaped teeth on No. 90 go as deep or shallow as you like, close to row, without injuring plants, cut out all weeds, stir the soil and mellow and fine it as with a garden rake.

#### No. 19

No. 19 is strong, well made, and quickly adjusted. The height of the handles can be changed to suit man or woman, boy or girl.



New "PLANET JR." Catalog is the handsomest, best and most instructive book ever issued on a similar Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any subject. Full of little address on application.

## INSECTICIDES AND FUNGICIDES

#### For Insect Pests and Fungous Growths

LIQUIDS AND POISONS ARE NOT MAILABLE. OTHER INSECTICIDES AND FUNGICIDES MAY BE SENT AT PARCEL POST RATES IF YOU REMIT THE POSTAGE WITH YOUR ORDER.

#### NOTE—All prices are subject to change

- ANT EXTERMINATOR. For red and black ants. This powder exterminates them. 1/4 lb., 30c; 1/2 lb., 50c; lb., 75c.
- APHINE. Effective against all soft-bodied and plant-sucking insects such as green, black, white fly, red spider, thrips, mealy bugs, brown and white scale, cur-rant and cabbage worm, etc. Use as a spray or wash, diluting in water. Pt., 75c; qt., \$1.15; gal., \$3.25.
- ARSENATE OF LEAD, POWDER. Has all the advantages of the paste form, but goes twice as far and is easier to handle. Can be applied like Paris Green with powder guns. ½ 1b., 30c; 1b., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$9.00; 50 lbs., \$17.00; 100 lbs., \$30.00.
- "BLACK LEAF 40" (Sulphate of Nicotine). Hi ommended for destroying aphis, thrips, etc. Highly recte. Oz., 35c.
- convenient form for immediate use; can be used dry or with water. ½ lb., 25c; lb., 40c; 5 lbs., \$1.25; 10 lbs., \$2.25; 20 lbs., \$4.25. BORDEAUX MIXTURE, POWDER.
- COPPER SOLUTION. An excellent spray for mildew, blight and rust on fruit, flowers and vegetables. Should be diluted 100 times with water. Qt., \$1.50; gal., \$4.00.
- GETS-THERE SOAP. For washing palms. 3 lbs., \$1.00.
- RAPE DUST. Very efficient in destroying mildews and preventing blight, either in greenhouses or in the open. 5 lbs., \$1.00.
- UNGINE. A remedy for mildew rust, bench-rot and other fungi. Does not stain the foliage. Pkt., 75c; qt., \$1.15; gal., \$3.50.
- ELLEBORE. Best Grade, Powdered, White. For rose spaces, currant worms, etc. ½ lb., 35e; lb., 60e.; 5 lbs.,
- INSECT POWDER, RED WING. Non-poisonous. A superior grade; kills all kinds of insects on plants in the garden and in the home. 10c and 25c, in automatic bellows box, postpaid.
- against many soft bodied and sucking insects like plant lice, scale, mealy bug, etc. Kills by contact. Pkt., 50e; qt., 85c; gal., \$2.25. KEROSENE EMULSION.
- EMON OIL. Claimed by many to be the best and cheapest insecticide on the market. Used now by nearly all the leading growers. It effectually controls mealy bugs, scale, thrips and red spider. Pt., 60c; qut., \$1.00; ½ gal., \$1.75; gal., \$3.00; 5-gal. keg., \$12.50.
- LIME-SULPHUR, POWDERED. Practical form of Lime-Sulphur in concentrated nature. Will readily mix with cold water and make fresh liquid Lime-Sulphur. 20 to 25 pounds will make 50 gallons liquid for dormant spray of 32 per cent Baume strength. Lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.25; 25 lbs., \$4.50; 100 lbs., \$15.50.
- LIME-SULPHUR SOLUTION, LIQUID. For San Jose and all other scale insects. A fungicide. When used against scale, spray when the tree is dormant in the early spring or late fall. Qt., 50c; 2 qts., 75c; gal., \$1.25; 5 gals., \$3.75; ½ bbl., 25c per gal.; bbl., 23c per gal. Barrels charged at \$2.00 each, but are returnable for credit.
- **FOP-VERMIN.** Protects crops against the ravages of the root maggot and other garden pests; also eradicates earth worms from lawns and putting greens. Not injurious in any way to plant life, but is a valuable stimulant and fertilizer. In powder form, ready for use. **Lb.**, 60c; 5 lbs., \$2.25; 10 lbs., \$4.00. STOP-VERMIN.
- MELROSINE. Death to rose bugs and all other minor insects and diseases that affect the rose. Used in any spray pump.
  - ½ pint can
     \$0.50

     Pint can
     1.00

     Quart can
     1.75

     ½ gal. cán
     3.25

     Gallon can
     6.00
- NICO-FUME TOBACCO PAPER. Consists of a saturated with a nicotine solution containing not less than 20 per cent of nicotine. A most effective mode of fumigation for conservatories and greenhouses, leaving no odor in the flowers. Tight can of 24 sheets, \$1.25; 144 sheets, \$5.50; 288 sheets, \$10.00.

- NICO-FUME LIQUID. A highly refined solution, containing 40 per cent nicotine, for spraying as a remedy for aphis, thrips, black and white fly. May be used for vaporizing. 4 lb., 75c; lb., \$2.35; 4 lbs., \$8.00; 8 lbs., vaporizing.
- HALL'S NICOTINE FUMIGATOR, FOR GREENHOUSES. A simple and effective preparation for fumigating greenhouses, for plant lice and thrips. It is a specially prepared tobacco powder, which has been treated to insure proper burning qualities, and which is saturated with pure Nicotine. 10 lb. tins, \$8.50; 2½ lbs. tins, \$2.50; 1 lb. tins, \$1.25.
- HALL'S NICOTINE SULPHATE. For spraying fruit trees and truck crops—40 per cent Nicotine guaranteed. Aphids, thrips and similar soft-bodied, sucking insects can be wiped out of the orchard or garden by systematic spraying with Hall's Nicotine Sulphate. 10 lb. tins, \$1.50; 2 lb tins, \$4.50; ½ lb. tins, \$1.50.
- PARIS GREEN. More extensively used than any other poison. Purest of all brands. ¼ 1b., 20c; ½ 1b., 35c; 1b., 65c. Special prices on large quantities.
- YROX, BOWKER'S. The one best spray for apples, potatoes and general purposes against leaf-eating insects and fungous diseases. This combined insecticide and fungicide is better than Paris Green, Arsenate of Lead or Bordeaux Mixture, and cheaper to use. It sticks to foliage like paint, in spite of heavy rains. Mix it with cold water, and it is ready to use. Lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.75; 50 lbs., \$11.50; 100 lbs., \$19.50. PYROX. BOWKER'S.
- CALECIDE. Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons of water. Scalecide does not clog nozzles or pump. Qt., 75c; gal., \$1.85; 5 gal., \$7.50; 10 gal., \$12.50; 30 gal. bbl., \$29.56; 50 gal. bbl., \$43.50.
- ULPHO TOBACCO SOAP.. An excellent article for the greenhouse or conservatory. Especially good for destroying scale on palms and other plants. Soluble in warm water. 3 oz., 15c; 6 oz., 25c. SULPHO TOBACCO SOAP ..
- SLUG SHOT. Non-poisonous powder. Very effectual destroying potato bugs, beetle, slugs, worms, capillars. Use by dusting on plants. 1 lb. carton, 5 lbs., 65c; 10 lbs., \$1.25; 25 lbs., \$2.75. Very effectual in
- SULPHUR (Flowers of Sulphur). For mildew on plants, etc. Lb., 12c; 5 lbs., 55c; 10 lbs., 90c; 25 lbs., \$2.00.
- TOBACCO DUST. For dusting and fumigating. Best grade. The most effective and cheapest remedy for the flea on cabbage, etc. Lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 50 lbs., \$2.75; 100 lbs., \$5.00.
- TOBACCO STEMS. For fumigating. Valuable as a mulch for rose beds and sweet peas. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.
- THRIP JUICE (Hammond's No. 2). Effective for exterminating aphis, red spider, mealy bug, etc. Pt., 85e; qt., \$1.45; gal., \$4.50.
- TREE TANGLEFOOT. A paste preparation for painting around the trunks of trees, in the form of a band, and insects and other crawling pests cannot get over it. Lb., 60e; 5 lb. cans, \$2.75; 10 lb. cans, \$5.25; 20 lb. cans, \$11.00.
- VERMINE. For all soil vermin, such as cut-, eel-, wire-, and grub-worms, slugs, root lice, maggots and ants. Pt., 65e; qt., \$1.00; gal., \$3.00.
- WORM ERADICATOR, READE'S. For removing worms from greenhouses, lawns, flower pots, vases, etc., without damage to the plants. Bottles, 50c, and \$1.00; gal.,
- WHALE or FISH OIL SOAP. For destroying and preventing insects on plants, trees vines, etc. Very easily applied and very effective. Lb., 35c; 5 lb can, \$1.50.
- . L. ALL COMPOUND. For spraying very delicate plants; kills mealy bug, red spider and all insect pests. Pt., \$1.50; qt., \$2.25; 2 qts., \$4.25. All British measure which is larger than U. S. measure.



YOU might spend much thought, time and money in the planning of your garden, the preparation of the soil, and the cultivation of the plants, and yet in a large measure lose the fruits of your labors — by omitting periodical spraying with a good insecticide.

Aphis, Red Spider, Mealy Bug and many other sucking insects are all likely to infest the plants at one time or another. These insects breed so rapidly that where none are found to-day, next week there may be hundreds.

An easy and effective way to get rid of them, and without injury to the plants, is by spraying with SULPHO-TOBACCO Soap solution.

SULPHO-TOBACCO SOAP





## Insects most common in the Home Garden

THE Aphis is most frequently met with in the average garden. Let alone he soon rears a family of such proportions

that every plant is colonized.

At first not much harm may seem to be done by this pest, but by-and-by the leaves of your plants will turn yellow and fall, and in a short time the plants will have a sickly appearance. Examination will generally reveal hundreds of Aphides, sometimes so thick that they crowd each other along the stalks.

#### How to get rid of them

Prepared according to the directions on the package, Sulpho-Tobacco Soap solution is sure death to many forms of Aphides. It can be applied as a spray or wash, or used as a dipbath. When a dipbath is used, submerge the plants for about half a minute.

When your plants are once free of the pest they can be

kept so by occasional applications of this insecticide.

MEALY BUG also soon succumbs to the same treatment. It is advisable to go over plants infested with this insect by applying the Sulpho-Tobacco Soap solution with a stiff brush, working it into the axil of every leaf, the junction of the stalk and branch, and every place where they can be found.

RED SPIDER will be found mostly on plants kept in dry, hot rooms. Get rid of this tiny but fearfully destructive pest by

the energetic use of Sulpho-Tobacco Soap solution and regular showering of clear water.

Even though you find no insects on your plants to-day, they may be there to-morrow. Therefore always act on the offensive and use Sulpho-Tobacco Soap as a preventative.









#### **SULPHO-TOBACCO SOAP**

An Effective - Convenient and Economical Insecticide

Tobacco is well known as one of the most powerful agents for the destruction of plant insect life. Leaf tobacco in its natural

state is expensive and difficult to get in small quantities.

In Sulpho-Tobacco Soap, an extract of tobacco rich in Nicotine, and a soluble compound of Sulphur, are combined with the proper soap to produce an insecticide solution of efficient spreading and penetrating properties. This combination makes Sulpho-Tobacco Soap more effective than a simple Nicotine spray containing a much larger percentage of Nicotine.

#### Invaluable for Spraying Plants, - Shrubs, - Trees, - and Vines Ideal for ROSES

Two Ounces of Soap make a Gallon of Solution

Sulpho-Tobacco Soap is supplied in 3-oz. and 8-oz. cakes wrapped in tinfoil and enclosed in individual cartons, Also in cartons of 10 1-lb. bars.

You can make up as much or as little solution as you want at one time. Full and easily understood directions are on each package.

Also an Ideal Toilet Soap for Dogs and other animals. Cleanses thoroughly and leaves the hair smooth and glossy, and free from vermin.

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## Read these Interesting Letters

A few of the thousands received from satisfied users of SULPHO-TOBACCO Soap

"Have for years used Sulpho-Tobacco Soap with great success. For sponging and spraying palms, crotons, etc. under glass—for roses and plants outdoors, infested with Aphis and Red Spiders, it is invaluable."

Writes R. G. Hanford, Norwalk, Mass. "It is more satisfactory than anything we have ever used. We are more than pleased with it."

Write Keyport Green-houses, Keyport, N. J.

"I am well pleased with your Sulpho-Tobacco Soap. It's the best thing I ever tried."

"Writes D. S. George, grower of Roses and Clematis, Fairport, N. Y.

"Have tried it on Aphis, Mealy Bug, White Fly and most every kind of bug and with two or three applications I got rid of all."

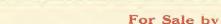
Writes P. Foy, Roanoke City, Va.

Manufactured by

WHOLESALE DEPT.

Larkin Co Inc.
Established, 1875

BUFFALO, N. Y.



Johnson's Seed Store 2158-60 East 9th St. CLEVELAND, OHIO

The largest and most complete Seed Store in Ohio



# Buy SEED INOCULATION As You Buy Seeds— For RESULTS



## EXCLUSIVE FEATURES

Patented Ventilated
Bottle
Always Fresh
Guaranteed Five Years
Selected Cultures
Nitrogen-free Media

X

USE ON ALL CLOVERS, ALFALFA PEAS, BEANS, VETCH, SOY BEANS AND OTHER LEGUME SEEDS

SOLD BY

JOHNSON'S SEED STORE CLEVELAND, OHIO





The Best Inoculation for All Legume Seeds

#### Means Better Crops, Better Soils, Less Fertilizer Expense

Seeds of all legumes—Clovers, Alfalfa, Beans, Peas, Vetches, etc.— will yield far better results if inoc-ulated with FARMOGERM, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops in the rotation. No other inoculant will produce

wealth of nodules obtained by using FARMOGERM. Farmers who have used it would never again seed without it. Demand

grows greater each year.
Full directions go with each bottle—easily applied—takes but

little time.

Do not risk soil transfer, with the danger of introducing weed seeds. Assure safety and crop success by inoculating with FARMOGERM.

#### WHAT FARMOGERM IS

FARMOGERM is a pure culture of nitrogen-fixing bacteria selected for maximum vitality and ability to transform the nitrogen from the air into soluble nitrates. These bacteria are carried on a nitrogen-free jelly medium, and are forced to live on the air nitrogen which comes to them through the patented stopper, which admits the air but shuts out contaminations. In consequence they continue to get their nitrogen from the air when carried into the soil on the seeds, and add to the soil nitrogen.

By reason of the patented stopper which admits air and excludes contaminations, FARMOGERM stays good for years—

always fresh-always strong and virile.

#### WHAT FARMOGERM WILL DO

FARMOGERM will reduce your fertilizer bills, give you larger crops, and improve your soil by producing nodules on the roots of legumes as shown in the illustration. No other inoculant is as strong and virile. No other inoculant will give the profusion of nodules.

A different culture is required for each legume crop. When

FARMOO surance that Prices: 1	GERM is so inc tyou cannot aff -Acre size, \$1; 3 Il treat up to 15	expensive and it ord to seed legu- A, \$2.50; 12-A	is so effect ime crops v , \$9; ½-A,	ive an in- vithout it. 50c. Gar-
Please send	FARMOGERN	vI to address bel	ow:b	ots
size, to inco	culate	R	temittance,	\$
NAME				
ADDRESS (Printed in	U. S. A.)			

## JOHNSON'S HIGH GRADE FERTILIZERS

Beware of stable manure. It will fill your lawn with weeds, and cause you many times the cost of a good commercial fertilizer, such as Sheep Manure or Bone Dust.

Prices on all fertilizers are subject to change without notice.

## Two Good Fertilizers for Your Lawn and Garden

### Pulverized Sheep Manure

#### FREE OF WEEDS



This is a pure natural manure and one of the most nutritious foods for plants. Its effect is immediate. It is very rich, safe, and gives quick results. It will give excellent results on flower beds, lawns or in vegetable gardens, as it contains all the elements for promoting a quick, luxuriant growth, as well as adding body to the plant. Can be used either in dry form or dissolved to make a liquid manure. If applied dry, no raking off is required as it does not disfigure the grounds, nor does it contain seeds of foul weeds, nor offensive odor. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. Pulverized Sheep Manure acts quickly and for the garden, lawn or greenhouse nothing surpasses it; it is clean and easily handled, besides giving immediate results.

#### Prices Delivered in Cleveland

2	lbs	\$0.20	100	lbs		\$ 3.50 15.00
10	lbs	60	1000	lbs		26.00
	lbs		2000	105	• • • • • • •	30.00

#### Is Your Soil Sour?

AGRICULTURAL HYDRATED LIME. It supplies the GRICULTURAL HYDRATED LIME. It supplies the element calcium to plants; it makes "sour soil sweet," changes an acid condition to a slightly alkaline one; it has the power to shrink clay and adobe soils, making a larger number of crumbs from a sticky mass; it prevents packing, baking and cracking, makes cultivating easier; it promotes the normal decay of organic matter in the soil. It destroys fungus and the germs of insect life that infest the soil. Hydrated Lime, because of its fineness, high calcium content and concentrated condition, is the ideal agricultural lime and the most economical on the market. Use one-half less than other forms of lime. In sacks weighing 50 lbs. per sack, \$1.50; 2 sacks (100 lbs.), \$2.50. Delivered anywhere in the city. Write for prices on ton lots.

NITRATE OF SODA. Break up the lumps before using. Apply in the home garden as a solution one ounce to two gallons of water. For asparagus use 250 lbs. per acre when growth starts. For strawberries top dress with 100 lbs. per acre just after blossoming. For other crops use 100 lbs. per acre when the plants are well established. Lb., 15c; 5 lbs., 50c; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00. Write for prices on larger quantities quantities.

BONE AND BLOOD. For cabbage, cauliflower, corn and other crops of big surface growth; not desirable for root crops except as it is used in connection with potash, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 300 to 500 lbs. per acre. 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.50; 500 lbs., \$20.00; 1000 lbs., \$37.00; 2000 lbs., \$70.00.

PURE CRACKED BONE. For grape vines, fruit trees, shrubs and trees of all kinds. Should be used when planting out and should be well mixed with the soil to the depth of a foot or more. 5 lbs., 50c; 25 lbs., \$1.50; 100 lbs., \$5.50; ¼ ton, \$25.00; ½ tons, \$45.50; ton price on application.

CLAY'S FERTILIZER. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them back to the highest perfection. It should also be used in potting soil as a top dressing. 28 lbs., \$5.00; 56 lbs., \$8.50; 112 lbs., \$15.50.

SCOTCH SOOT (Genuine Imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms.

28 lbs., \$2.75; 56 lbs., \$4.00; 112 lbs., \$7.50.

LEAF MOLD. Indispensable for azaleas, rhododendrons, etc. In sacks of about 120 lbs., \$3.00 per 100 lbs.

### Bone Meal

#### JOHNSON'S SUPERIOR BRAND

Stable dressing is unpleasant to handle and always contains more or less weed seeds. There are no weed seeds in this fertilizer. It will impart to your lawn that much desired dark green and velvety appearance. Should be applied as a top dressing either in spring or fall. Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high class fertilizer counts.

#### Prices Delivered in Cleveland

3 lbs <b>\$0.25</b>	100 lbs\$ <b>4.00</b>
5 lbs	200 lbs
10 lbs	1000 lbs
25 lbs <b>1.25</b>	2000 lbs <b>60.00</b>
50 lbs	

SULPHATE OF AMMONIA. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. 5 lbs., 55c; 100 lbs., \$6.00.

MURIATE OF POTASH. Apply 100 to 125 lbs. per acre usually with other fertilizers. 5 lbs., 45c; 100 lbs., \$4.75.

TANKAGE. For roses, etc., under glass; similar to dried blood. 50 lbs., \$2.25; 100 lbs., \$4.00; 200 lbs., \$7.00; ton, \$60.00.

MOSS, SPHAGNUM. For filling orchid baskets, etc., and for mixing with potting soil to conserve moisture. In large bales of about 30 lbs. at \$2.50 per bale, f. o. b.

PEAT, ORCHID. For potting orchids, etc. In sacks of about 30 lbs. at \$3.00 per sack.

PEAT, ROTTED. Fine for mixing with soil for potted plants such as azaleas, palms, etc. In sacks of about 85 lbs. at \$4.00 per 100 lbs.

LOOD (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$4.50; 100 lbs., \$8.50; 200 lbs., \$16.00.

OW or CATTLE MANURE (Shredded). One sack of this is equal to one cart-load of fresh cow manure. Especially suited for soil mixing, mulching and liquid manuring. 100 lbs., \$3.50; 500 lbs., \$15.00; 1000 lbs., \$26.00; ton \$25.00 COW or CATTLE MANURE (Shredded). \$26.00; ton, \$50.00.

HARDWOOD ASHES. Highest grade unleached. For top-dressing lawns, especially if the soil is stiff or sour 1½ tons to the acre. 25 lbs., \$1.00; 50 lbs., \$1.75 lbs., \$2.75; 500 lbs., \$11.00; 1000 lbs., \$20.00.

### Fertilizers for House Plants

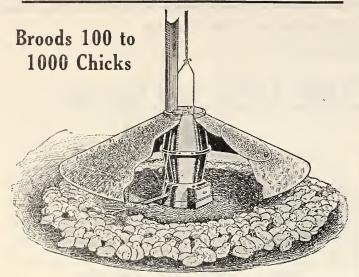
SUPERIOR HOUSE PLANT FOOD. Plant success is matter of feeding with definite amounts of correctly balanced plant foods as the plants require them. Superior House Plant Food is a well balanced food which enables the planter to keep development absolutely under control, for he can feed his plants as they require food. 3 oz. can, 25c; 7 oz. can, 50c; 16 oz. can, \$1.00, postpaid.

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office.

Stim-U-PlanT Tablets are designed for use by all who grow plants—home gardeners, market gardeners, small fruit growers, florists and farmers. Trial size, 15c; 30 tablets, 25c; 100 tablets, 75c; 1000 tablets, \$3.50, postpaid.

## The Buckeye Colony Brooder



THE GREATEST COAL-BURNING BROODER EVER INVENTED. Self-Feeding, Self-Regulating, Everlasting. Heavy cast-iron stove that requires coaling but once every 24 hours in any temperature. Fifty-two inch hover that will positively brood 1000 newly hatched chicks. GREATEST COAL-BURNING BROODER EVER

The Buckeye Colony Brooder is the most practical brooding device ever invented. It will do anything and everything that any other brooder will do, and do it better. It is infinitely more satisfactory than brooders selling at twice the price. We are so positive that it cannot fail that we will permit you to try one for thirty days and Write Your Own Money-Back Guarantee. We therefore sizes furnish three sizes.

No. 18 Buckeye Standard Brooder—Capacity 500 chicks	821.50
No. 19 Buckeye Standard Brooder-Capacity 1000	
chicks	26.50
No. 25 Buckeye Standard Brooder—Capacity 1200	20.00
chicks Ask for illustrated Buckeye catalog.	30.00

## Buckeye Blue Flame Oil Colony Brooder

Here is a Colony Brooder heated by an extremely effi-cient "Blue-flame" burner that can be used to good ad-vantage by breeders who are unable to secure hard coal.

These brooders are equipped with a wickless type of blue-flame burner that will furnish an abundance of heat at a very low cost of operation. There is nothing complicated about their operation, and since we know them to be the most highly efficient brooder of this type on the market, we have no hesitation about recommending them to our trade.

All these brooders, regardless of size, are equipped with a self-feeding oil container holding one gallon of oil, which never requires filling more than once in twenty-four hours.

The flame in the burner is controlled by a finely adjusted valve which requires very little attention.

The hovers are substantially built of galvanized steel

and are supported by four cast-iron legs.



No. 27. Capacity, 200 chicks. Diameter, 34 inches Shipping weight, 40 lbs. Price, \$17.50.

No. 28. Capacity, 350 chicks. Diameter, 42 inches. Shipping weight, 50 lbs. Price, \$20.00.

No. 29. Capacity, 500 chicks. Diameter, 52 inches. Shipping weight, 60 lbs. Price, \$22.50.

## "BUCKEYE" Hot Water Incubators

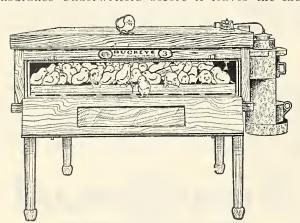
FREE DELIVERY

We will Deliver Free any Buckeye Incubator or Brooder, or we will ship, Charges PREPAID to any point within 50 miles of Cleveland.

#### HATCH MORE AND STRONGER CHICKS

The Buckeye will hatch more chicks and stronger chicks than any other make of incubator. It requires no artificial moisture; will operate satisfactorily in any climate, and requires no attention to the regulator from the time a hatch is started until it is finished.

Buckeye "Standard" Incubators are equipped with every desirable device that could possibly add to the efficiency of an incubator. Only the best of materials are used, and each machine is inspected by the National Board of Insurance Underwriters before it leaves the factory.

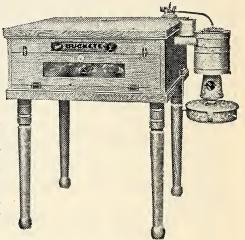


#### BUCKEYE "STANDARD" INCUBATORS

	OTED	TATE .	-	• •		 	 DETAT	A.3	INC CILLII		
\$ 37.50	Price,					 	 eggs	120	Capacity,	No. 1.	
44.50	4.6				 	 	 eggs	175	Capacity,	No. 2.	
57.75	4.6					 	 eggs	250	Capacity,	No. 3.	
68.00	4.4				 	 	 eggs	350	Capacity,	No. 4.	
107.00	66				 	 	 eggs	600	Canacity.	No. 5.	

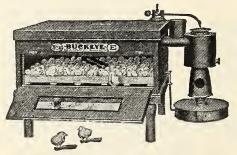
#### NO PREVIOUS EXPERIENCE NECESSARY

It is not necessary to have any previous experience to operate a Buckeye. The entire Buckeye sys-tem is so simple that a boy or girl can operate it as satisfactorily an experienced operator.



#### BUCKEYE "STYLE E" INCUBATOR (Shown Above)

No. 16.	Capacity,	120 e	ggsPrice	\$27.50
No. 17.	Capacity.	210 e	ggs"	36.75



This incubator is aspecially adapted for use by the small producer. It has all the equipment of the larger machines, and will hatch just as many high quality chicks as the larger sizes. This incubator is identical with the Style E, excepting that it has short legs for table use.

No. 14. Capacity, 65 eggs......Price, \$16.50

## POULTRY SUPPLIES

We have space to list but few of the many items we carry in leading Poultry Supplies

#### Chick Feed Troughs

These troughs are very convenient for feeding flocks of growing chicks. The trough is made on a half circle so that every bit of feed can

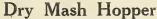


half circle so that every bit of feed can be easily eaten out of it. 10 inch trough, 35c; 20 inch trough, 50c. Add Sc each for postage.



#### Standard Grit and Shell Box

This Grit and Shell-Box has slanting front, inclined top and round bottom to trough. Just the thing to hold oyster shell, charcoal and grit for a small flock of fowls. **Each**, \$1.25. Weight, 2 lbs.



The door hinged on the front is raised, as shown in the cut, for the fowls to eat; but when it is let down it closes the hopper up completely, making it rat, mouse and dust proof. The Economy hopper is 18½ inches high, and 6½ inches wide, and made in two lengths. No. 1 Economy Dry Mash Hopper, 12 inches long, one compartment, \$1.75. Shipping weight, 7 lbs. No. 2 Economy Dry Mash Hopper, 24 inches long, \$2.50. Shipping weight, 13 lbs.



## Oakes Feeder and Fountain

A galvanized pan made to hold any Mason fruit jar. Easily cleaned and keeps water always so it can be seen.

Can be used either for feed or water. We do not furnish jars. Price each, 15c; 2 for 25c; by parcel post, each, 20c; 2 for 35c.

### Chick Grit and Shell Box

Growing chicks should have grit, oyster shell and charcoal always before them; and for this purpose our Chick Grit and Shell Box is indispensable. Height, 7½ inches; width, 6 inches; depth (front to back) 4 inches at bottom, and 2 inches at top. 75c. Shipping weight, 2 lbs. Larger size, \$1.10.



### Drop Bottom Fountain



In this style of Drinking Fountain, the pan which forms the trough from which the fowls drink is hinged at the back and fastened by a brass latch in front. The hood over the trough prevents falling dust and dirt from getting into the water; and when the bottom is turned back, the inside of the fount can be easily cleaned out and kept in sanitary condition. 2 qt., 90c, shipping weight, 2 lbs.; 1 gal., \$1.15, shipping weight, 3 lbs.; 2 gal., \$1.35, shipping weight, 5 lbs.

#### Sanitary Wall Fountain

These fountains are very convenient to handle and more sanitary than the ordinary kind. A hood projects over the water trough and protects the water from getting soiled. The back is flattened for ease in hanging up. 1 qt. size, 60c, shipping weight, 1 lb.; 1 gal. size, \$1.25, shipping weight, 3 lbs.; 2 gal. size, \$1.60, shipping weight, 5 lbs.





### Round Pigeon and Chick Hopper

Made of galvanized steel and the galvanized wire grating is adjustable, up and down, to regulate the feed, which is automatic. A neat, practical, and durable hopper. Height, 13½ inches; diameter of hopper, 7½ inches; diameter of pan, 10½ inches. \$2.00. Shipping weight, 8 lbs.

#### Improved Handy Hopper

Hinged lid keeps out rats, mice and dirt. Swinging front is adjustable to any kind of dry mash and eliminates clogging. Hopper is 15 inches high, 4½ inches wide and made in 4 lengths.

menes wide and made in 1 lengths.	
Length, 12 in., each\$1.75	
Length, 18 in., each	
Length, 24 in., each	
Five compartments, length, 36 in.,	
each 3 90	



### Mammoth Round Feed Hopper



A compact, convenient outfit for feeding dry mash to large flocks. Round shape accommodates more flowls with less fighting and less muss. Seamless steel trough, 22 inches in diameter, 3½ inches deep, divided by partitions to prevent waste of feed. Capacity. 100 pounds, or more than 1½ bushels.

Mammoth Hopper,
without stand.....\$7.50

Mammoth Hopper,
complete with stand
as shown in illustration......8.25

## Sanitary Galvanized Steel Hen's Nest



## POULTRY SUPPLIES—Continued



### Oakes "Economy" Grit and Shell Box

Well made throughout, with round bottoms. Meets the need for inexpensive outfits that will give satis-

8 1/2	in	wide,	each\$0.80
12	in.	wide,	each 1.10
161/2	in.	wide,	each 1.20

### Oakes Sani-Thermo Fountain



Here's the most modern method of supplying poultry with satisfactory drinking water at all times. It insures sanitary, healthy water, regardless of season or location. It keeps the water warm in winter and cool in summer. No lamps to bother with and no expense! Made of galvanized iron. Top-filled, making it easy to fill and clean. Heavy wire handle. Conical top. Well insuhandle. Conical to lated. Three sizes:

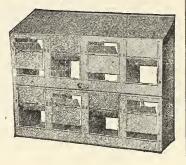
Capacity,	2	gals.,	each\$4.00
Capacity,	3	gals.,	each 4.50
Capacity,	5	gals.,	each 5.50

#### Oakes Improved Trap Nest

Hangs on the wall. Easy to clean. Just pull nest out at bottom and dirt falls out. Length, 46 in.; width, 13 in.

4 Compartment Nest complete (upper section only). Price.. \$5.75

Compartment Nest complete (upper and lower sections). Price ..... 11.25



#### Oakes Round Fireless Brood Coop



For those who prefer a coop without corners, so chicks can not crowd. Made of the same high-grade materials throughout as the Oakes Rectangular Coop described above. Has ventilator door with slide that can be adjusted to keep hen in and allow chicks to come out or can be closed to keep both in. Rat and vermin proof; diameter, 22 inches. both in. proof; diar **Each, \$3.00.** 

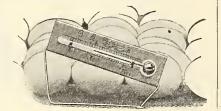
#### Thermometers

The most important equipment to your incubator is an accurate, reliable thermometer. We carry two brands, the Tycos and the Wilder. These names stand for quality. Can be used on any make incubator.

Buckeye Thermometer, with wire holder.... \$1.00
Standing brass legs, adjustable 1.00
Reclining or hanging ..... 1.00

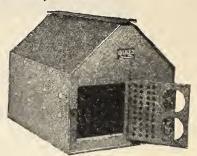
1.00

hanging ..... 1
Brooder thermometer, 10
in......... 1
Postage on each, additional



#### Oakes Sanitary Brood Coop

A handy, practical device for raising little chickens. Easily set up or taken apart. Small door for chickens; large door for hen. Plenty of ventilation both top and bottom. Made throughout of heavy galvanized steel, large and roomy. Rat and vermin proof. Sliding top gives attendant easy access to inside. Price, each, \$2.50.



#### Colored Celluloid Leg Bands

Best quality. Made of Celluloid in six sizes and ten colors: White, Black, Dark Blue, Light Blue, Red, Pink, Garnet, Green, Yellow, Purple.

(Sizes)	(		Bands	
	- {	25	Bands	
Asiatic		50	Bands	50
American	1	100	Bands	75
Mediterranean		500	Bands	. 3.60
Meunterranean	(	1000	Bands	. 7.00
	ſ	12	Bands	10
Bantam	- 1		Bands	
Pigeon		50	Bands	35
	1		Bands	
Baby Chick	İ		Bands	
	1	1000	Rands	4.00

#### Colored Leader—Adjustable



For a general purpose band that provides quick and accurate identification, this Colored Leader cannot be equalled. It will fit anything from Bantam to Cochin or Tom Turkey or Goose. Light in weight, but of sturdy design and construction. Continuous line of color around the band so that a bird can be distinguished, so far as brood or pen is concerned, from a distance.

A "Cracker Jack" for strap nesting. Prices, 12, 35c; 25, 60c; 100, \$1.50; 500, \$6.50; 1000, \$12.50.

### Aluminum Leg Bands



Aluminum, with extra large raised numbers. to read, adjustable for any size fowl. Quickly 130. Easy to read, ad applied.
Package of 12
Price .....\$0.15

500 1000

#### Petty Poultry Punches

The Petty Poultry Punch for marking chicks by punching the web of the feet, is made of steel, nickel plated. It is substantially made, cuts a clean hole, and is convenient to use. Each, 25c, postpaid.

#### Carbola

A disinfecting germ-killing white paint.

There is nothing that contributes more to success in poultry raising than absolute cleanliness and sanitation in the poultry house. Clean living quarters mean as much as proper feeding. 5 lb. carton, 75c; 10 lb. pkg., \$1.25; 50 lb. bag, \$5.00.

## RUSTIC BIRD HOUSES

#### These Houses Will Bring the Birds Back to You Year After Year

Besides being built for the true purposes of attracting the birds these Woods Craft Houses are well put together and made of selected materials in order to resist the action of the elements.

Only selected first class wood, thoroughly seasoned, is used in the construction of these houses. Years of experience have proven just what woods are most suitable for the different shapes of houses. mand for the different artistic shapes necessitates that they be made of varied woods most suitable to the designs. Red Cedar, Oak, Cypress, and selected White Pine enter into their construction. The nails and cleats holding them together are thoroughly coated so as to resist rust.

ABOUT WRENS. Place Wren Houses near your dwellings; the wren is hardly ever known to nest off in the woods. If not disturbed, they will become very tame. These Wren Houses are made with 1-inch holes so that sparrows cannot disturb the occupants.

#### "ART SET"

No. 60 ROBIN HOUSE Price, \$2.00 P. P. Wt., 3 lbs.

No. 61 WREN HOUSE (Swinging House) Price, \$2.50 P. P. Wt., 5 lbs.

No. 62 Price, \$2.50

BLUE BIRD HOUSE P. P. Wt., 3 lbs.



"ART SET" complete, 3 houses as shown, for \$6.50.

#### "COUNTRY LIFE SET"



No. 11 No. 11 Price, \$2.25 Weight, 3 lbs. "COUNTRY LIFE SET" complete as shown above

No. 12 Price, \$2.25 Made to swing

No. 13 No. 13 Price, \$2.25 P. P. Wt., 3 lbs.

#### "GEOGRAPHIC SET"



No. 21 BLUE BIRD Price, \$2.00 P. P. Wt., 3 lbs.

No. 25 ROBIN HOUSE Price, \$2.25 P. P. Wt., 3 lbs.

No. 23 ROBIN HOUSE Price, \$2.00 P. P. Wt., 3 lbs.



 No. 17 WREN HOUSE Price, \$2.50 P. P. Wt., 3 lbs.



"HAVE A HEART" Suet and Grain Holder Price, \$2.75 P. P. Wt., 4 lbs.

## BIRD CAGES, STANDS, ETC.





No. 530G





No. 19A

PRICES FOR CAGES AT TOP OF NEXT PAGE

## **BIRD SUPPLIES—Continued**

Cages—Condensed List

No. 665. New style fancy oblong japanned white with black trimming. Size,  $6\frac{1}{2}$ x9\frac{1}{2} in. x 15\frac{1}{2} in. high. Each, \$3.00. We also have larger sizes of this same style at \$4.05, \$4.40, and \$4.70 each.

No. 274. Made of spring brass wire, solid brass rail, spun brass base. Size, 10 in. diameter, 16 in. high. Each, \$6.00. Size, 11 in. in diameter, 16\frac{1}{2} in. high. Each, \$7.00. Size, 11\frac{1}{2} in. in diameter, 18 in. high. Each, \$8.00.

No. 530G. Artistic brass cages, with or without tassel. This cage has brass wire guard cloth and self-locking base hooks. Size, 10\% in. diameter, 13\% in. high. Each, \$12.00. Tassel extra, \$1.00.

#### Floor Cage Stands

Prices do not include cages. Height of all stands, 5

feet 7 inches.

No. 17A. Bla

Each, \$8.75. Black base, polished brass upright and arch.

No. 17B. Black base, black upright with brass plated arch. Each, \$6.25.

No. 171. Ivory base, ivory upright with brass plated arch. Each, \$7.25.

o. 19A. Brass base cover over iron casting. Brass tubing upright with solid brass arch. Each, \$11.25.
All cages and stands delivered free within 50 miles of

#### Canaries

We carry a full line of the very best Imported Canaries in both Hartz Mountain and German Rollers. Male birds all guaranteed, ranging from \$8.00 to \$15.00 each. Female birds of the above species at \$3.00 each. Mail order customers may rest assured of a high class selection if same is left to us. We guarantee satisfaction. When ordering please state whether you prefer a light colored bird or one with some dark markings.

#### Unexcelled Bird Food

This preparation is put up under the old reliable English Recipe for Birds that have lost their song, whether from the effects of moulting or otherwise. Per bottle, 35c.

Canary Louse Powder

For dusting Canaries and other Cage Birds who are troubled with Lice, Mites, etc. 25c.

#### Bird Wash

For use on Canary Birds and all other birds in captivity. Non-poisonous. Allays itching and stops the bird from pulling its feathers. Per Bottle, 25c.

#### Bird Tonic

Invaluable for Birds afflicted with Asthma, Colds, Hard Breathing, etc. Per bottle, 25c.

Our bird seeds are the highest quality, fresh and recleaned. Your feathered pets will thrive if you get your supplies in this line from us.

Johnson's Freshly Mixed Bird Seed
This seed must not be confused with the cheap
bird seeds sold in many stores. We use none but the
best seeds obtainable. Lb., 20c; 5 lbs., 90c.

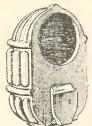
		1/4 lb.		5 lbs.	10 lbs.
Ant's Eggs				\$0.65	\$1.15
Canary. Plain Sicily Hemp Seed				7	- P
Millet Seed. (Imported).			.12	.55	1.00
Rape Seed					$\frac{1.30}{2.00}$
Bird Manna. Keeps Can	ary I	Birds in	prim		
Diray 150					

Pkg., 15c.
Cuttle Fish Bone. 5e each; ¼ lb., 20c; 60e per lb.
Fish Food. For aquariums. 15c pkg.
Lettuce Seed. 5c per oz.; 10c per ¾ lb.; lb., 30c.
Maw Seed. ¼ lb., 10c; 30c lb.; 5 lbs., \$1.25.
Parrot Food. (Spratt's.) 20c pkg.; \$2.00 doz.
Sand for Bird Cages. Fine, Red or Silver, 10c pkg.; doz. pkgs., \$1.00. Silver (coarse), 10c pkg.; doz. pkgs., \$1.00.
Song Restorer for Canaries, revives the desire to be lively and sing more lustily. Price, 25c; per doz., \$2.50.
Prices on Bird Seeds Subject to Market Changes.

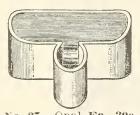
#### Sunflower Seed

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 15c per 1b.; 2 lbs., 25c; 60c for 5 lbs.; 10 lbs., \$1.10

## SEED CUPS



Opal No. 26. .. Ea., 20e No. 26. Crystal...Ea., 15c



No. 27. Opal. Ea., 20c No. 25. Crystal.



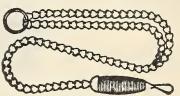
No. 25. Opal . . . . Ea., 20c No. 25. Crystal ... Ea., 15c

#### Cage Springs



		Each	
No.	75.	Brass plated	
No.	95.	Solid Brass	
No.	175.	(Heavy) Brass plated	
No.	195.	(Heavy) Solid Brass	

#### Springs and Chains



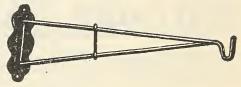
		Each
No.	730.	Brass plated (30")\$0.25
No.	736.	Brass plated (36")
No.	1730.	Solid Brass (30")
No.	1736.	Solid Brass (36")

### Cage Springs Double



		E:	acn
No.	275.	Brass plated\$6	0.25
No.	295.	Solid Brass	.40

#### Cage Brackets



		Each
1710.	Brass plated (10")	\$0.25
1810.	Nickel plated (10")	.25
1712.	Brass plated (12")	.30
1812.	Nickel (12")	.30
	1810. 1712.	1710. Brass plated (10"). 1810. Nickel plated (10"). 1712. Brass plated (12"). 1812. Nickel (12").

#### Bird Baths

No.	101.	Small	size, 4	" lon	g, 1"	deep		 .Ea.,	\$0.20
No.	102.	Large	size,	4 3/4 "	long,	1 %"	deep.	 . Ea.,	.25

## GOLD FISH AND AQUARIUMS

We carry a full line of GOLD FISH, AQUARIUMS, GLOBES, CASTLES, etc.

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